

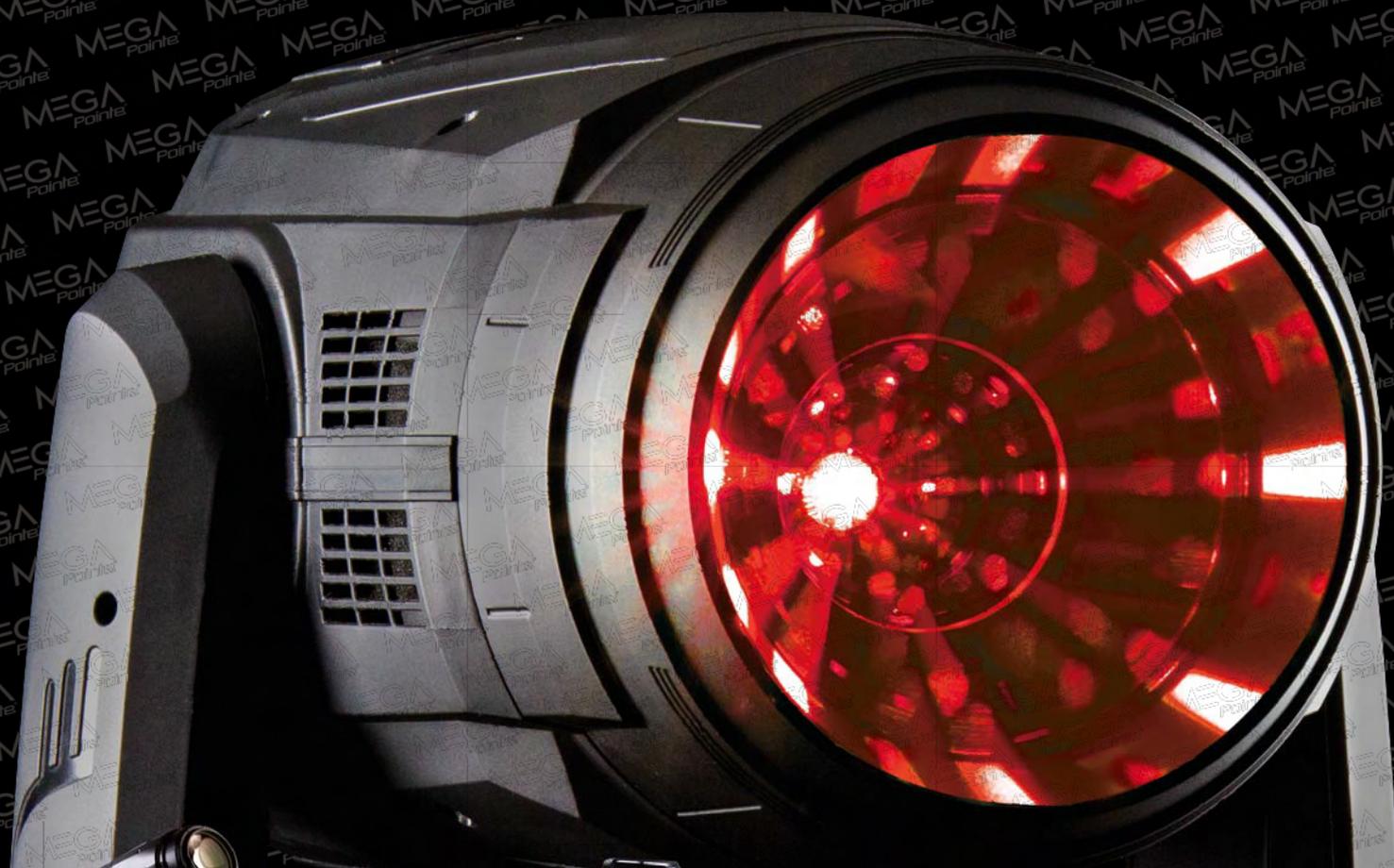
# ROBIN

## CATALOGUE

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### VOLUME 17

# 2017



BMFL™ FollowSpot



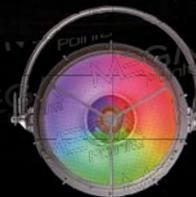
VIVA™ CMY



LEDBeam 150™



ParFect 150™



PATT 2017™



onePATT™

**ROBE**®



**NOW THERE IS**  
**MEGA**

# ROBIN CATALOGUE

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# THINK OF THE CONSIDER **FUTURE NATURE**



Robe's R&D department is fully focused on developing and producing cutting-edge, innovative, energy-saving products. All seven new products launched at PLASA 2013 fit the Smaller, Lighter and Brighter category, a design philosophy championed by Robe with the launch of the ROBIN series 3 years ago.

**All Robe's brochures** and printed materials are now being produced on **FSC-certified paper** from environmentally friendly sources. The Forest Stewardship Council (FSC) is an international non-profit organization founded in 1993 to support the world's forests. A diverse group of representatives ensure that forests are managed to protect wildlife habitat and respect the rights of local and indigenous communities. The criteria is very strict, and so Robe is proud to display the FSC logo on its printed materials. Those preferring to simply download literature in electronic format to their smartphones and tablet PCs can also now do so via QR codes.

Says MD Josef Valchar, „Robe has already been operating a strong green policy for several years, we are not just jumping onboard a current trend, and now is the time to push this philosophy to the next level“. He adds that Robe intends to keep at the forefront of developing sustainable technologies, encouraging everyone to think seriously and imaginatively about their application in our industry, with „Our collective futures in mind“.

“**THINK OF THE FUTURE & CONSIDER NATURE**” is the mantra of Robe's green initiative, launched at PLASA 2010. It is based on encouraging everyone involved in the show and technical production business to think about the future of the planet and how all can make a difference to its longevity – no matter how small the contribution might appear to be.

As well as saving energy, other popular features of the products are their compact size and weight, which means that more fixtures can fit into a truck, lighter trussing can be used and less manpower is needed during the buildup of the gig. Theatre and TV studios benefit from the reduced levels of heat emitted by the ROBINS which means less use of the AC. Specially designed custom made flightcases ensures efficient and safe transportation for up to as many as 10 units per case, complete with all necessary accessories.



**Robe has been producing high quality, reliable lighting fixtures for many years and with the new environmentally friendly ROBIN series, we are also trying to help make a difference for the future.**

Robe's ROBIN<sup>®</sup> Series of moving lights combine foresight with the very latest technology in the on-going quest for innovation, the provision of imaginative solutions and the manufacture of good, reliable lighting products that has always driven the company. The ROBIN (Robe Innovative Technology) brand introduces the very latest technological developments and trends for its light sources, premium electronic components and optical systems, resulting in very unique and individual products that are properly "power-saving" in multiple contexts.

OUR NEW REFERENCE POINT, **MegaPointe** elevates the original all-in-one fixture concept to a whole new level.

Unleash your creativity using the sharp, bright parallel beams, excellent gobo projection, precise movement, smooth CMY colour mixing and dimming plus a multitude of beam splitting, wash and shaping effects.

The Robe R&D team worked with Osram to provide a 470W lamp that aligns perfectly with the MegaPointe's cutting-edge optical system. This design provides a brilliant, crystal clear, razor-edged beam, adjustable from a punchy 1.8 to a wide 42 degree zoom.

The best just got better - Robe's incredible **Spiider** LED wash beam offers a unique central feature with Robe's exclusive Flower Effect, which is driven by a 60W RGBW LED multichip creating innovative, sharp multicoloured spikes of light, which can rotate in both directions at variable speeds, transforming the light output into a dynamic ray of three narrow beams, adding another new visual effect to the show.

The next generation of LED **WashBeam**. Small, compact, super fast with a unique Flower Effect, Spiider utilises a single 60W RGBW LED light source with a specially designed 110 mm wide front lens producing a solid beam.

Building on the success of the **LEDWash 1200™** and **Spiider™** advanced technology, Robe is excited to announce the release of their most powerful LED beam/wash/effects fixture yet. We call it the **Tarranula™**. Designed for concerts, automotive shows, sporting tournaments, indeed any even in a large venue or space, the Tarranula is powered by 36 x 30W and 1 x 60W high powered emitters providing a stunning 20,000 lumen output.

To continue with the very successful range of LEDBeam fixtures we have launched the **LEDBeam 150** moving head with redesigned optical system, more powerful LED multichips and a zoom with a huge range from a tight 4° to a wide 62°. The fixture is still very compact in size and fast in movement.

Based on the LEDBeam 150, we have built the new **ParFect 150**. It is a static, zoomable version of the successful LEDBeam 100 and retains all the key features from its predecessor, bringing new possibilities for users.

The **DL7S Profile and DL7F Wash** are the first DL range fixtures to receive a powerful new 800W version of the LED engine with seven colours giving unprecedented smooth, stable and even colour mixing with high light output and very low power consumption ensuring minimal re-lamping costs.

# BRINGING YOU TOMORROW'S TECHNOLOGY **TODAY!**



## New Rotating Gobo Wheel

The new rotating gobo wheel with "SLOT&LOCK" gobos (Patent pending), the new static gobo wheel with "SLOT&LOCK" gobos (Patent pending).



## New Colour Wheel

The newly designed colour wheel with magnetic "SLOT&LOCK" system (Patent pending).



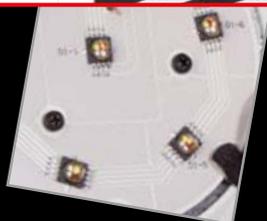
## LCD Touch Screen

Patented intuitive smart presetting and control via a touch screen control panel with battery back-up for fixture set-up without power helps to make the Robin fixtures very cool and easy to control (simply fabulous to touch!). The newly designed self-diagnostics feature with RTC gives the lighting operators and technicians constant operation overview throughout the lifespan of the fixture. (Patent pending).



## Self-switchable Power Supply

Automatic self-switchable power supply units are now a must for worldwide touring shows. They ensure that the correct voltage is always supplied to the lamp without the need for any region-specific adjustments (an appealing feature to any tech!).

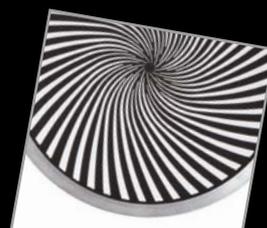
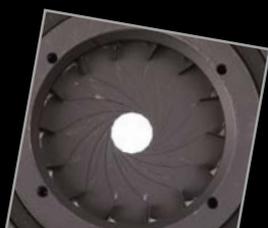


### Multichip

New LED technologies use several LED chips on a single module that creates just perfect point source of extremely smooth new dimensional color mixing of RGBW.

### Innovative Zoom System

Incorporating sophisticated zoom optics combined with dual top-hat system consisting of Micro egg-crates and top-hat for each output lens which allows rendering of beam of high visual quality. (Patent pending).



### The Fastest Iris

The new iris – probably the fastest iris on the market – allows the closing and opening cycles up to 3 per second. The fixture is delivering the maximum light output at any iris aperture. (Patent pending).

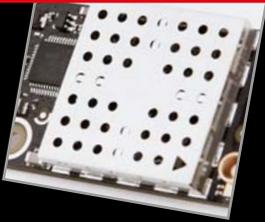
### Newly designed Lens Slide System

The BMFL Spot fixtures provide a large 5°–55° zoom range. Consisting of a newly designed lens slide system, which provides controllable and repeatable friction and damping of the lens movement. (Patent pending).

### New Dual Graphic Wheel

Astonishing artistic animations and effects are possible to achieve thanks to the Dual Graphic Wheel. By its unique design it allows creation of interesting Kaleidoscopic effects, as well as effect like fire, water, sky and transitions with morphing through several focusing planes. The wheel also allows movement from side to side. (Patent pending).

# BRINGING YOU TOMORROW'S TECHNOLOGY **TODAY!**



## Wireless

We are utilizing the state of art Wireless DMX/RDM CRMX technology for highly reliable bidirectional wireless connection. This new technology features fixed latency, frame synchronization between receivers, full RDM and other possibilities, like cognitive coexistence, for reliable use in all timing critical environments.



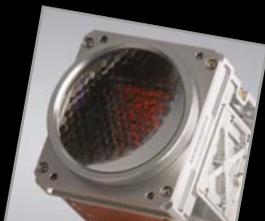
## Framing Shutters Module

Robin DL7S, ROBIN DL4S, BMFL Blade and MMX Blade uses framing shutters with four blades which can be individually controlled, positioned and angled and the whole module can be rotated. This sophisticated system offers smooth variable speed blade movement together with high speed pre-programmed shape and blade sequences. (Patent pending).



## WashBeam Optical System

The Robin BMFL provides a large 5°–45° zoom range. It's sophisticated optical system consisting from three independently moving optical groups is enabling to produce variety of different light projections – from a soft edged wash light to a sharp edged beam luminaire (Patent pending).



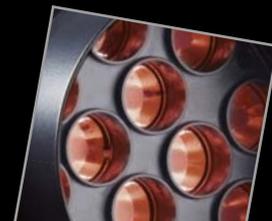
## New LED Engine

Precisely unified and very powerful colour output of our LED light engine now comes with improved design providing 30% more brightness. The module utilizes unique combination of RGBW high powered single chip LEDs for perfect projection, while drawing very little energy and lasting for an amazing 20.000 hours. The LED module is combined with an advanced heat management for very silent operation. (Patent pending).



## Motorized Internal Barndoors

Robin DL4F Wash, DL7F Wash and MMX WashBeam use an internal motorized barndoor module for creating various animated shapes and fast effects as well as providing barn door trimming possibilities. The module consists of four individually controllable blades and is rotateable by plus or minus 90 degrees. (Patent pending).



## LEDBeam Optical System

Newly designed optical systems for beam applications giving 7 degrees light beam angle, from sophisticated lenses, eggcrates and additional top-hat. (Patent pending).



### Individual control of LED rings

Unique design and control of the LED PCB's allows individual control of each LED ring for creation of eye-candy effect, such as colour waves or strobing per rings. (Patent pending).

### Eggcrate

Especially designed eggcrate modules provide different look of the multi-source front face of the fixture, to fit any needs and purposes. Black eggcrate separates each cell especially well for color chases between independently controllable rings, transparent/semi-transparent eggcrate allows light penetration between LED cells and therefore creates more unified, colorful front view of the fixture. (Patent pending).

### EMS™

Aimed at long-throw applications, the newly patented Robe EMS™ (Electronic Motion Stabiliser) technology, enables the BMFL™ and Viva fixtures to minimize and stop additional moving head shaking after motion. EMS is reducing the beam deviation caused by movement or vibration of the truss or set. The image stays right there you put it! (Patent pending).



### LED Beam Shaping Module

Full continuous rotation beam shaping module creates an asymmetrical shaped beam of adjustable width which is highly required for TV and theatrical applications. (Patent pending).

### Lamp Osram Sirius HRI 280 W

High brightness and stable light output are important properties of the high-performance OSRAM SIRI-US HRI @ 140 W - 470 W Lamps. Equipped with special compact reflector and P-VIP technology, this lightweight lamp has been optimized for spectacular light effects of fast moving entertainment fixtures. (Patent pending).

### Homogenizer and heat protection

In order to achieve maximum brightness for prominent beam effects while assuring perfectly flat, edged projection of gobos, our engineers have developed unique dual heat-homogenizer filter (patent pending), which also protects internal components from high temperatures and ensures their prolonged life span. (Patent pending).

# BRINGING YOU TOMORROW'S TECHNOLOGY **TODAY!**



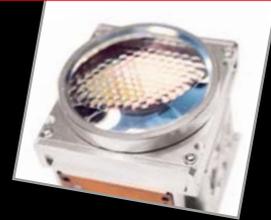
## HTI 1700/PS Lamp

This lamp has been specifically designed for Robe BMFL fixtures. The Lok-it! HTI 1700/PS is compact, highly efficient, single-ended short-arc metal halide lamp with 6000 Kelvin colour temperature with extremely high CRI of 90. The lamp can be operated on 1700W, 1500W or 1200W (quiet mode) and is offering amazing lifetime of 750 hours in all modes.



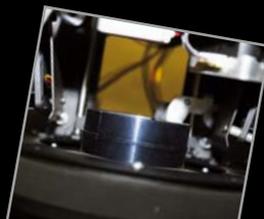
## White LED Engine

New powerful white 350W LED engine with low power consumption for Robin VIVA CMY offers 20.000 hours of life time and very compact size. Innovative designed sophisticated heat management ensures very quiet operation.



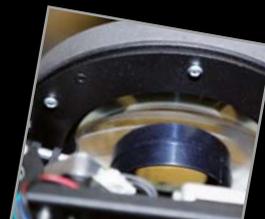
## Full spectrum of LED engine

The brand new proprietary 800W Robe LED Module for DL7 range offers an unique combination of 7 colours providing rich colour spectrum experience. The driving system has been modified for even finer colour mixing and dimming for extra smooth, stepless operation especially at minimum brightness levels. (Patent pending).



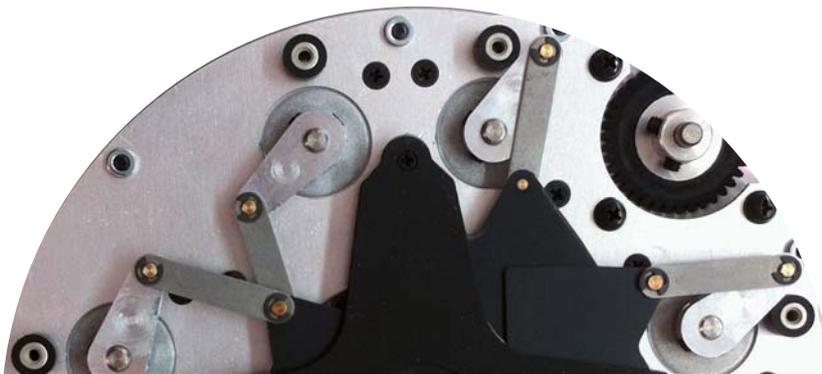
## Robin VIVA CMY Optics

Efficiency has been our primary goal for the Robin VIVA CMY optical module which has been equipped with highly effective wide diameter lensing assembly for improved light collecting power. (Patent pending).



## Pointe Optical System

This state of art complex multi-element optical system has been designed for punchy bright parallel beams, crisp gobo projections, smooth wash like output and spectacular in air effects. Sophisticated anti reflex coating centers the light rays and increases efficiency. (Patent pending).



### Zoom system

Five independent zooming layers in ROBIN Square offer unique possibilities of zoom waves and combination of wash coverage on the edges and beam effect in the center at the same time. (Patent pending)

### Effect engine

Nine individually controllable effect engine elements, which are used in ROBIN Square can create fascinating beam effects or in air animations and provide innovative approach and new design element to pixel mappable applications. (Patent pending)

### LED Dimming Technology

For application where extra smooth slow dimming is required we have designed new generation of LED driving with 18-bit dimming system which provides not only unprecedented dimming quality but also offers extra wide scale of mixable soft hues and gentle color transitions. (Patent pending)



### Scrim Module

New innovative internal Scrim module of graduated filter can be inserted into the light path and allows rotation of the whole assembly +/- 180° to achieve even wash coverage when projecting onto a non-perpendicular surface.

### Flower Effect

The new innovative Flower Effect creates sharp multicoloured spikes of light, rotating in both directions at variable speed. (Patent pending)

### Proprietary Optical System

Robe RnD have designed a new very efficient 12:1 zoom optical system with a range from 4° to 48°, resulting in light output of over 11.000 lumens and intensity of 50.000 lux @5m. (Patent pending)

# ROBIN®

## BMFL SERIES





The new range of BMFL – Bright Multi-Functional Luminaires is the result of Robe listening extensively to the wishes and needs of lighting designers, rental companies and technicians from every corner of the industry and all around the world.



# BMFL™ Spot

The **BMFL™ - Bright Multi-Functional Luminaire** - the much anticipated new lighting fixture from Robe, brings a real game changer in the world of moving lights.

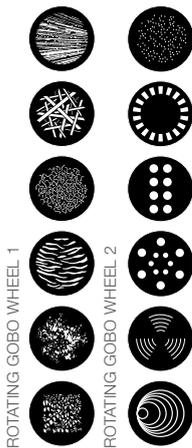
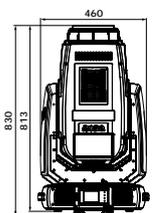
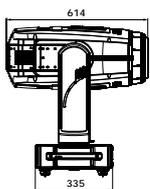
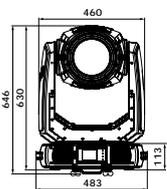
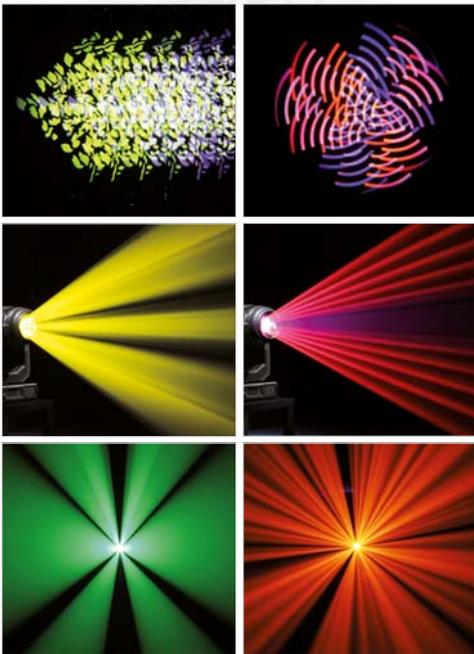
The BMFL™ Spot has a custom light source designed for Robe and produces a staggering powerful 250.000 lx at 5 metres - no other product currently on the market can equal this output! Despite its power and comprehensive feature set, it weighs just 36 Kgs... and has a compact body profile. The lamp produces light at a CRI of 90, this combined with a refined optical system, 5 – 55 degree zoom, results in a crisp, high quality fat beam that is truly homogenised and without a hotspot.

The new, high definition colour mixing technology can produce a full spectrum of colours. There are also two colour wheels which include filters that can be utilised to adjust colour temperature and improve the CRI of the white output in aging lamps. There are two rotating gobo wheels - each with six "SLOT&LOCK" gobo positions. There are also two Rotating Prisms. The Dual Graphic Wheels both focus within the same focal plane and the rotation and movement can be individually controlled and varied... to create ultra-cool, infinitely subtle special effects. The frost and dimming functions provide further effects. Three grades of Frost are available and the dimmer is exceptionally smooth with no distortion, so the full beam width is visible right up to the point at which it disappears. The strobe effect is authentic with up to 10 flashes per second!

Aimed at long-throw applications, the newly patented Robe EMS™ (Electronic Motion Stabiliser) technology, enables the BMFL™ to absorb vibrations from audio outputs, truss movement, sprung or suspended floors, etc. The BMFL™ is a very powerful, feature packed luminaire that will provide a real signature light source for any project.

## TECHNICAL SPECIFICATION

- Light source type: Compact short-arc metal halide lamp
- Approved model: Osram Lok-it! HTI 1700/PS
- Life time: 750hours @ 1.700W / 1.500W / Quiet mode
- CRI: 92+, Colour Temperature 6.000K
- 11:1 Zoom optical system
- Beam angle: Zoom range: 5° – 55°
- Output Lens diameter: 160 mm
- Fixture total lumen output: 40.000 lm at 1.700W / 36.500 lm at 1.500W  
32.000 lm at Quiet mode
- 250.000 lx @ 5m, 2.500 lx @ 50m
- Variable CTO: 2.700–6.000K
- Colour wheel 1: 6 fixed dichroic colours: deep red, deep blue, orange, green, magenta, congo blue + white
- Colour wheel 2: 6 replaceable "SLOT&LOCK" dichroic colours: pink, lavender, laser green, 9.000K CTB, minus half and minus green + white
- Rotating Gobo wheel 1: 6 rotating, indexable, replaceable "SLOT&LOCK" glass gobos + open
- Rotating Gobo wheel 2: 6 rotating, indexable, replaceable "SLOT&LOCK" glass gobos + open
- Dual Graphic Wheel with two animation discs, individual control of rotation of each disc
- Effects: 6-facet circular and 6-facet linear rotating and indexable prisms
- Iris: Motorized, stepless, pulse effects up to 3 Hz
- Frost : variable Light, Medium and Heavy Frosts
- Dimmer: Optimized dual blade system for exceptional smooth dimming
- Shutter: Separate dual blade system, Variable strobe effect up to 10 Hz, full black out
- Setting & Addressing: ROBE Navigation System 2 (RNS2)
- Display: QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC, stand-alone operation with 3 editable programs (each up to 100 steps), built-in analyser for easy fault finding
- Protocols: USITT DMX-512, RDM, Art-Net, MA Net, MA Net2, sACN
- Wireless CRMX™ technology from Lumen Radio (on request)
- Protocol modes: 2
- Control channels: 41, 33
- EMS™: Electronic Motion Stabilizer system for Pan & Tilt reducing beam deviation caused by truss movement
- Ethernet port in: RJ45
- Power consumption: 2.000 W at 230 V / 50 Hz
- Data in/out: Locking 3-pin & 5-pin XLR
- Power in: Neutrik powerCON
- Weight: 36 kg (79 lbs)



# BMFL™ Blade

The **BMFL™ – Bright Multi-Functional Luminaire** – the game changer in the world of moving lights, has another trick up it's sleeve - four fast shutter blades with smooth and precise movement in the new BMFL Blade lighting fixture.

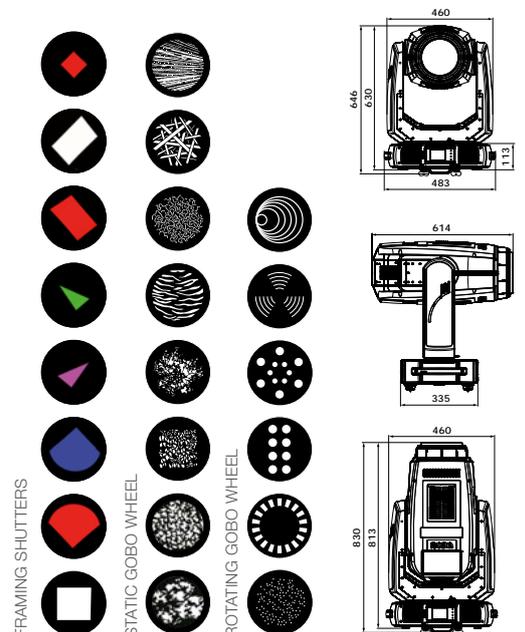
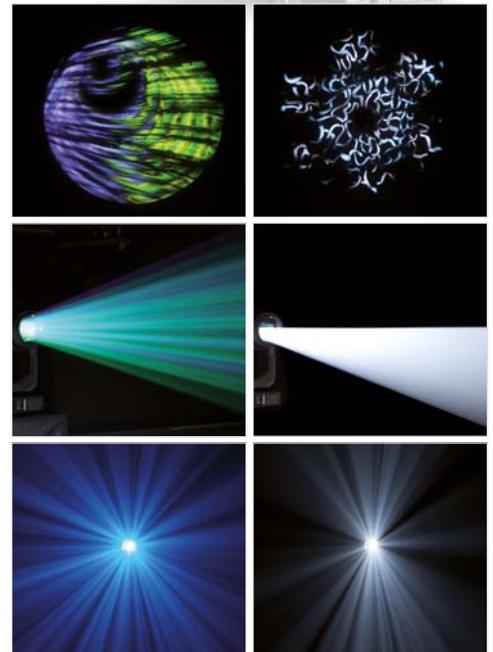
Four fast shutter blades with smooth and precise movement in the new BMFL™ Blade lighting fixture. Individually angled and positioned within a frame - which itself can rotate through 90 degrees, providing a sharp or soft, precisely repeatable, frame for the projected image.

Producing a new series of fast-moving in-air effects through pre-programmed shape and movement sequences of the blades, gobo images can be trimmed or framed in a regular, triangular or trapezoid shape. Each pair of opposing blades can close to a complete blackout. Two gobo wheels – one rotating with six "SLOT&LOCK" gobo positions plus another with 8 static gobos can be combined with the Animation wheel to create numerous dynamic projected effects.

Add all this to the already acclaimed BMFL™ features including: exceptionally smooth linear dimming, imperceptible high definition colour mixing, full width beam, output in excess of 250.000 lx at 5 metres - and the Robe EMS™ (Electronic Motion Stabiliser) technology, enabling the BMFL™ to both move and stop faster and more precisely than any other fixture in its class - all this housed in a compact body profile weighing just 37.9 kgs.

## TECHNICAL SPECIFICATION

- Light source type: Compact short-arc metal halide lamp
- Approved model: Osram Lok-it! HTI 1700/PS
- Life time: 750hours @ 1.700W / 1.500W / Quiet mode
- CRI 92+, Colour Temperature 6.000K
- 250.000 lx @ 5m, 2.500 lx @ 50m
- 11:1 Zoom optical system
- Beam angle: Zoom range: 5° – 55°
- Output Lens diameter: 160 mm
- Dichroic glass reflector for maximising the light efficiency
- Fixture total lumen output: 40.000 lm at 1.700W / 36.500 lm at 1.500W  
32.000 lm at Quiet mode
- Colour wheel 1: 6 fixed dichroic colours: deep red, deep blue, orange, green, magenta, congo blue + white
- Colour wheel 2: 6 replaceable "SLOT&LOCK" dichroic colours: pink, lavender, laser green, 9.000K CTB, minus half and minus green + white
- Framing shutters: 4 individually positionable blades plus rotation of the complete frame system +- 45°
- Rotating Gobo wheel: 6 rotating, indexable, replaceable "SLOT&LOCK" glass gobos + open
- Static Gobo wheel: 8 static, replaceable "SLOT&LOCK" glass gobos + open
- Aluminium Animation Wheel, used alone or in combination with gobos, rotating in both directions at variable speed
- Effects: 6-facet circular and 6-facet linear rotating and indexable prisms
- Smooth blade movements at variable speed
- Ultrafast blade movements for creating mid-air effects
- Pre-programmed shape and blade sequences
- 90° rotation of the complete framing system
- Iris: Motorized, stepless, pulse effects up to 3 Hz
- Frost : Variable Light, Medium and Heavy Frosts
- Shutter: Separate dual blade system, Variable strobe effect up to 10 Hz, full black out
- Dimmer: Optimized dual blade system for exceptional smooth dimming
- Setting & Addressing: ROBE Navigation System 2 (RNS2)
- Protocols: USITT DMX-512, RDM, Art-Net, MA Net, MA Net2, sACN
- Wireless CRMX™ technology from Lumen Radio (on request)
- QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC
- DMX Protocol modes: 2
- Control channels: 49, 42
- EMS™: Electronic Motion Stabiliser system for reducing beam deviation caused by truss movement or vibration (Patent pending)
- Ethernet port in: RJ45
- DMX and RDM data in/out : Locking 3-pin & 5-pin XLR
- Power consumption : 2.000 W at 230 V /50Hz
- Power in: Neutrik powerCON
- Weight: 37.9 kg (83.6 lbs)



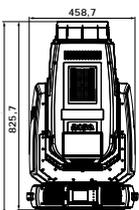
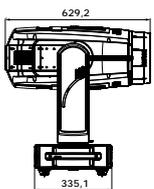
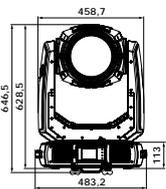
# BMFL™ Wash

BMFL™ Wash is the ultimate 1.700W lamp based wash light with a large 200 mm diameter front fresnel lens for high quality traditional wash output ranging from a punchy tight 4.5° to a smooth 55°. Custom interchangeable frost filters with three grades (light, medium and heavy) for an extremely gentle soft touch. CMY + CTO colour mixing filters for the unprecedented BMFL quality of colour transitions and two colour wheels with 6 colours each, one with custom replaceable "SLOT&LOCK" positions. Advanced DMX controllable edge aberration correction for smoother hues and seamless coverage.

The optional XF module expands the features of the BMFL Wash with innovative internal Scrim having a graduated filter, which can be inserted to the light path and allowing rotation of the whole assembly plus/minus 180° to achieve even wash coverage when projecting onto a non-perpendicular surface and internal motorised barndoors for creating different unique shapes and chases which also simulate barndoor effects. The barndoor module consists of four individually controllable blades and is rotatable by 180 degrees.

## TECHNICAL SPECIFICATION

- Light source type: Compact short-arc metal halide lamp
- Approved model: OSRAM Lok-it! HTI 1700/PS
- Lifetime: 750 hours @ 1.700W / 1.500W / Quiet mode
- CRI 92+, Colour Temperature 6.000 K
- 10:1 Zoom optical system
- Beam angle: Zoom range 4.5° – 55°
- Dichroic glass reflector for maximising the light efficiency
- Fixture total lumen output: 38.000 lm at 1.700W / 32.680 lm at 1.500W  
27.630 lm at Quiet mode
- 120.000 lx @ 5m
- Output Lens diameter: 200 mm
- Colour wheel 1: 6 fixed dichroic colours: deep red, deep blue, orange, green, magenta, congo blue + white
- Colour wheel 2: 6 replaceable "SLOT&LOCK" dichroic colours: pink, lavender, laser green, 9000 K CTB, minus half and minus green + white
- Dimmer: Optimized dual blade system for exceptional smooth dimming
- Scrim: Graduated filter position control, +/- 180° module rotation (Patent pending)
- Edge colour correction
- Shutter: Separate dual blade system, Variable strobe effect up to 10 Hz, full black out
- EMS™: Electronic Motion Stabiliser system for reducing beam deviation caused by truss movement or vibration (Patent pending)
- Setting & Addressing: ROBE Navigation System 2 (RNS2)
- Display: QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC, stand-alone operation with 3 editable programs (each up to 100 steps), built-in analyser for easy fault finding
- Protocols: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN
- Wireless CRMX™ technology from Lumen Radio (on request)
- DMX Protocol modes: BMFL Wash - 2  
BMFL Wash XF - 2
- Control channels: BMFL Wash - 25, 21  
BMFL Wash XF - 34, 30
- Ethernet port in: RJ45
- Power consumption: max. 2.000W at 230 V / 50 Hz
- DMX and RDM data in/out : Locking 3-pin & 5-pin XLR
- Power in: Neutrik powerCON
- Weight: 35 kg (77.2 lbs)
- Optional XF module  
Beam Shaper (Internal barndoors): individual position control of 4 "doors", +/- 90° module rotation (Patent pending)  
Scrim module: Graduated filter position control, +/- 180° module rotation (Patent pending)



BARNDOOR SHAPES AND EFFECTS



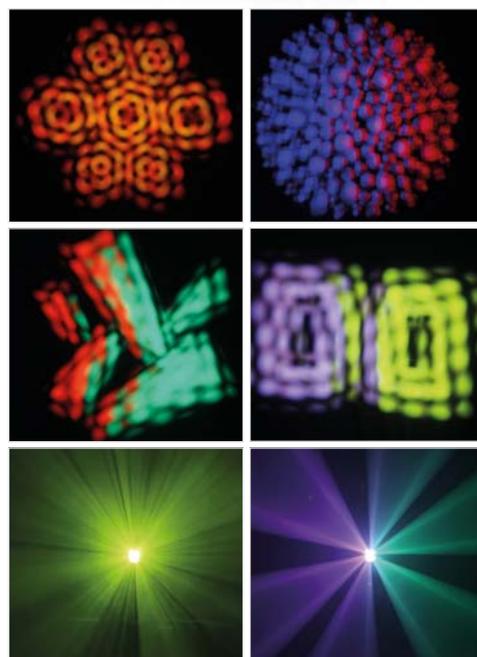
# BMFL™ WashBeam

The strong-arm of the BMFL™ family — the superbly powerful BMFL WashBeam comes with extra bright output and an abundance of great features, e.g newly developed framing shutters, super wide front lens and animation wheel.

The BMFL WashBeam will enhance any show with its large beam produced through wide 180 mm front lens. With custom light source designed for Robe it produces an astounding 300.000 lx at 5 metres! Rotating gobo wheel with carefully selected gobos ensure many combinations of in air animations, but can also produce nice spot-like projections on surfaces. Four fast shutter blades with smooth and precise movement offer individually angled positions within a frame — which itself can rotate through 90 degrees, providing a sharp or soft, precisely repeatable frame for the projected image. Fast movement of the framing system also allows unique in air beam effects. Adding frost filters can enhance the projection by adding smooth touches to the beam's edge.

## TECHNICAL SPECIFICATION

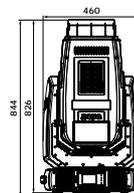
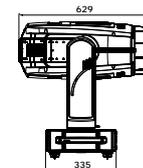
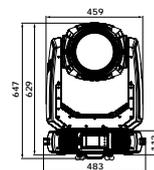
- Light source type: Compact short-arc metal halide lamp
- Approved model: OSRAM Lok-it! HTI 1700/PS
- Lifetime: 750 hours @ 1.700W / 1.500W / Quiet mode
- CRI 92+, Colour Temperature 6.000 K
- Dichroic glass reflector for maximising the light efficiency
- High - efficiency zoom optical system, ratio 9:1
- Beam angle: Zoom range 5° – 45°
- Output Lens diameter: 180 mm
- Fixture total lumen output: 41.000 lm at 1.700W / 38.130 lm at 1.500W  
33.620 lm at Quiet mode
- 300.000 lx @ 5m, 3.000 lx @ 50m
- Colour wheel 1: 6 fixed dichroic colours: deep red, deep blue, orange, green, magenta, congo blue + white
- Colour wheel 2: 6 replaceable "SLOT&LOCK" dichroic colours: pink, lavender, laser green, 9000 K CTB, minus half and minus green + white
- Framing shutters: 4 individually positionable blades plus rotation of the complete frame system +-45°
- Rotating Gobo wheel: 6 rotating, indexable, replaceable "SLOT&LOCK" glass gobos + open
- Aluminium Animation Wheel: used alone or in combination with gobos, rotating in both directions at variable speed
- Iris: Motorized, stepless, pulse effects up to 3 Hz
- Frost: Variable Light, Medium plus replaceable Heavy (two another frosts included)
- Shutter: Separate dual blade system, Variable strobe effect up to 10 Hz, full black out
- Dimmer: Optimized dual blade system for exceptional smooth dimming
- Setting & Addressing: ROBE Navigation System 2 (RNS2)
- Protocols: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN
- Wireless CRMX™ technology from Lumen Radio (on request)
- EMS™: Electronic Motion Stabiliser system for reducing beam deviation caused by truss movement or vibration (Patent pending)
- DMX Protocol modes: 2
- Control channels: 48, 41
- QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC
- Ethernet port in: RJ45
- Power consumption: 2000 W at 230 V / 50HZ
- DMX and RDM data in/out : Locking 3-pin & 5-pin XLR
- Power in: Neutrik powerCON
- Weight: 38.4 kg (84.7 lbs)



FRAMING SHUTTERS



ROTATING GOBO WHEEL



# BMFL™ FollowSpot

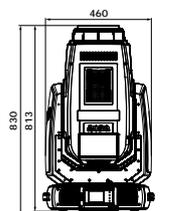
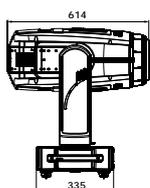
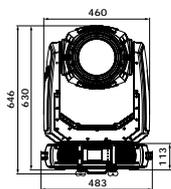
Created specifically for follow-spot operation, this custom modified version of BMFL comes with specific features to provide both motorised movement and manual operation with follow-spot handles. Based on the powerful BMFL WashBeam it blasts beams of extra bright output and has an abundance of great features.

The BMFL FollowSpot takes advantage of its wide 160 mm front lens and a high CRI 1700W lamp. With a custom light source designed for Robe it produces an astounding 250.000 lux at 5 metres and has a wide zoom range of 5° to 55° with precise focusing. Manually or remotely controllable features include smooth color mixing and CTO flags, two color wheels, multiple variable frost filters, focus, zoom and quick pulsing iris. Follow-spot operation can be greatly extended by using LightMaster handles - an optional accessory.

The BMFL FollowSpot is pre-wired for installation of the digital camera on the head and is connected with the new RoboSpot base station for off-stage follow-spot operation...

## TECHNICAL SPECIFICATION

- Light source type: Compact short-arc metal halide lamp
- Approved model: OSRAM Lok-it! HTI 1700/PS
- Lifetime: 750 hours @ 1.700 W / 1.500 W / Quiet mode
- CRI 92+
- Colour temperature: 6.000K
- High - efficiency zoom optical system, ratio 11:1
- Zoom range: 5° - 45°
- Dichroic glass reflector for maximising the light efficiency
- High efficient component optics
- Fixture total lumen output: 39.770 lm @ 1700 W  
36.985 lm @ 1500 W  
32.610 lm @ Quiet mode
- Variable CTO: 2.700–6.000 K
- Colour Wheel 1: 6 fixed dichroic colours: deep red, deep blue, orange, green, magenta, congo blue + white
- Colour Wheel 2: 6 replaceable "SLOT&LOCK" dichroic colours: pink, lavender, laser green, 9000 K CTB, minus half and minus green + white
- Iris: Motorized, stepless, pulse effects up to 3 Hz
- Frost: Variable Light, Medium plus replaceable Heavy (two another frosts included)
- Shutter: Separate dual blade system, variable strobe effect up to 10 Hz, full black out
- Dimmer: Optimized dual blade system for exceptional smooth dimming
- Setting & Addressing: ROBE Navigation System 2 (RNS2)
- Display: QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC, stand-alone operation with 3 editable programs (each up to 100 steps), built-in analyser for easy fault finding
- Protocols: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN
- Wireless CRMX™ technology from Lumen Radio (on request)
- DMX Protocol modes: 2
- Control channels: 32, 26
- Pan movement: 540°/ Tilt movement: 270°
- EMS™: Electronic Motion Stabilizer system for Pan & Tilt reducing beam deviation caused by truss movement or vibration (Patent pending)
- Automatic Pan/Tilt position correction
- Power consumption: 2.000 W at 230 V / 50 Hz
- Power in connector: Neutrik powerCON
- DMX and RDM data in/out: Locking 3-pin & 5-pin XLR
- Ethernet port in: RJ45
- Weight: 35 kg (77.2 lbs)
- Rigging: Mounting positions: 0°, 32°, 90°; Universal operating position; Mounting points with 5 pairs of 1/4-turn locking points; 2x Omega adaptors with 1/4 - turn quick locks; Safety cable attachment point; Pan and Tilt transport locks
- Accessories: Lamp Osram Lok-it HTI 1700/PS, BMFL FollowSpot Handles - 2 pcs in box, Trigger Clamp Doughty, Safety wire 50 kg
- Legal: BMFL™ is a Trademark of Robe lighting s.r.o. BMFL™ FollowSpot is patented by Robe lighting s.r.o. and is protected by one or more pending or issued patents



# BMFL™ LightMaster

BMFL LightMaster is an accessory of externally mounted programmable followspot handles with a control panel and two individual faders that allow you to create quality followspot from any of the Robin BMFL fixtures you already have on site.

Available in either sideways or back mounted option, the handles feature two programmable faders (for example for dimmer and iris) and a control panel with touch screen display and four custom programmable jog-wheels and ten assignable buttons for a fully-customizeable user experience.

The programmable buttons, jog-wheels and faders allow the operator to comfortably trigger and control dimmer, iris, focus, zoom, frost, colors or other features of the unit.

While in use by followspot operator, remote desk can still take control of all the internal features of the unit (like dimmer, colors etc.). Internal fixture's settings allow you to fully tailor pan/tilt movement behavior by adjusting tension smoothness and resistance.

Quick mounting in back or side position is assured by using quarter turn lock screws. Control panel connects to the unit via USB connection.

## TECHNICAL SPECIFICATION

### Control Panel

- QVGA Robe touch screen with battery backup
- 4 control jog-wheels
- 10 preset buttons with a direct access of the pre-programmed features
- Activation & Blackout buttons
- Pan & Tilt freeze buttons
- Manual movement control with position indication on the screen
- User setting of controllable attributes
- Saving and uploading of custom settings
- Compatible with the ROBE BMFL Spot, Blade, WashBeam and FollowSpot models
- Power and data in connector: USB
- Ethernet port in/out: RJ45

### Programmable Faders

- 2 faders mounted on the handles
- Direct control of the key features 0–100% (for example dimmer and iris)
- Assignable to any BMFL attributes (focus, zoom, frost etc.)

### Handles

- Sideways mounted handles (right or left)
- Back mounted handles
- Mounting option: on the ROBE BMFL Spot, Blade, WashBeam and FollowSpot models

### LightMaster side

- Height: 256 mm (10.1")
- Width: 637 mm (25.1")
- Depth: 585 mm (23")
- Weight: LightMaster 4 kg (8.8 lbs)  
Tripod 6.5 kg (17.2 lbs)  
Adaptor for tripod 3.6 kg (7.9 lbs)
- Fixation option: On ROBE BMFL Spot, Blade, WashBeam and FollowSpot

### LightMaster rear

- Height: 324 mm (12.8")
- Width: 740 mm (29.1")
- Depth: 718 mm (28.3")
- Weight: LightMaster Rear 10.7 kg (23.6 lbs)  
Tripod 6.5 kg (17.2 lbs)  
Adaptor for tripod 3.6 kg (7.9 lbs)
- Fixation option: On ROBE BMFL Spot, Blade, WashBeam and FollowSpot

- Legal: BMFL™ is a Trademark of Robe lighting s.r.o.  
BMFL™ LightMaster is patented by Robe lighting s.r.o. and is protected by one or more pending or issued patents



LightMaster side



LightMaster rear



# ROBOSpot BaseStation™

Specially created for situations where the followspot operator cannot be placed behind the fixture, the RoboSpot BaseStation allows remote control of any individual Robin BMFL fixture.

The base station features a 15.6 inch HD screen for the operator to observe the performance from a "first person" viewpoint using the dedicated pan/tilt enabled RoboSpot MotionCamera or from the RoboSpot fixture mounted camera.

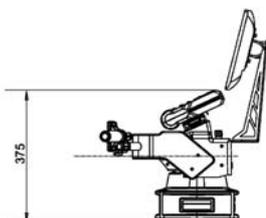
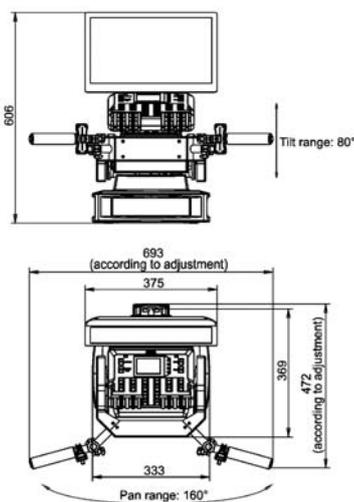
Full control of the BMFL fixture is given to the operator using the handles and two programmable faders such as dimmer and iris for extra effects. The operator's movements are instantly transferred to the luminaire via DMX with no lag, for perfect motion tracking across the stage.

Extra controls are achieved via the touch screen display and four programmable jog-wheels with 10 additional button settings for a truly customisable experience. The remote desk can still control the internal features of the unit such as light intensity and colours.

## TECHNICAL SPECIFICATION

- 15.6" monitor
- QVGA Robe touch screen with battery backup
- 4 control jog-wheels
- 10 preset buttons with a direct access of the pre-programmed features
- Activation & Blackout buttons
- Pan & Tilt freeze buttons
- Manual movement control with position indication on the screen
- 2 faders mounted on the handles with direct control of the key features 0–100% (for example dimmer and iris), assignable to any BMFL properties (focus, zoom, frost etc.)
- User setting of controllable attributes
- Saving and uploading of custom settings
- Multiple device control (up to 12 fixtures)
- Compatible with the ROBE BMFL Spot, Blade, WashBeam and FollowSpot models
- Input voltage range: 100–240 V, 50/60 Hz
- Power consumption: max. 25W
- Power in connector: Neutrik powerCON TRUE1
- DMX and RDM data in/out: Locking 3-pin & 5-pin XLR
- Ethernet port in/out: RJ45
- Video input: RJ45
- Height: 597 mm
- Width: 485 mm
- Depth: 485 mm
- Weight: 17.5 kg (38.6 lbs)
- Mounting positions: on tripod (supplied with the product)
- Legal: RoboSpot™ is a Trademark of Robe lighting s.r.o. RoboSpot™ is patented by Robe lighting s.r.o. and is protected by one or more pending or issued patents

**Not available in USA**



# ROBOSpot MotionCamera™

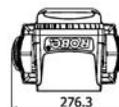
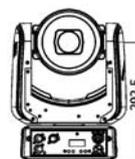
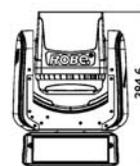
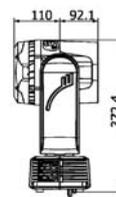
The RoboSpot MotionCamera is a revolutionary moving head fixture featuring an integrated HD camera remotely controlled via DMX to pan, tilt, zoom and autofocus.

Featuring a full HD camera with high light sensitivity capabilities down to 0.3 Lux illumination levels, the fixture provides a "first person view" for the followspot operator to track the performer across the stage. Video signals are instantly transferred to the RoboSpot BaseStation via a high-speed Ethernet cat5 cable.



## TECHNICAL SPECIFICATION

- Type: SNZ-6320
- Resolution: 1920 x 1080, 16:9 Full HD (1080p) resolution support
- Zoom: 32x optical zoom, 16x digital zoom
- Streaming: H.264, MPEG dual codec, Multiple streaming
- Vision: Day & Night (ICR), WDR (120dB)
- Minimum illumination: 0.3 Lux
- Setting & Addressing: two-row LCD display & 4 control buttons
- Protocols: USITT DMX-512, RDM
- Wireless CRMX™ technology from Lumen Radio (on request)
- DMX Protocol modes: 1
- Control channels: 8
- Pan movement: 540°
- Tilt movement: 270°
- Movement control: Standard and Speed
- Automatic Pan/Tilt position correction
- Power consumption: 35W at 230V / 50 Hz
- Power in/out connector: Neutrik powerCON TRUE1 in/out
- Camera output: RJ 45
- Weight: 5.7 kg (12.6 lbs)
- Rigging: Mounting horizontally or vertically, 1 x Omega adaptor with 1/4-turn quick locks, Universal operating position, Mounting points with 1 pair of 1/4-turn locking points, Safety cable attachment point
- Included Items: User Manual, Universal Base Adaptor, Power cord including powerCON TRUE1 In connector
- Accessories: Wireless DMX external module, Doughty Trigger Clamp, Safety wire
- Legal: RoboSpot™ is a Trademark of ROBE lighting s. r. o.



# ROBIN®

## PRODUCTS







# Pointe®

Here's our Pointe. It's very bright and super-fast with a sharp parallel beam that cuts through the air and across video with ease.

It can project a static or rotating glass gobo to produce precision in-air and surface images with an even focal plane. Tight or at full 20 degree zoom, the output is crystal clear and brilliant. Add in either rotating, 6 way linear or 8-way circular prisms to create wide reaching effects across any set.

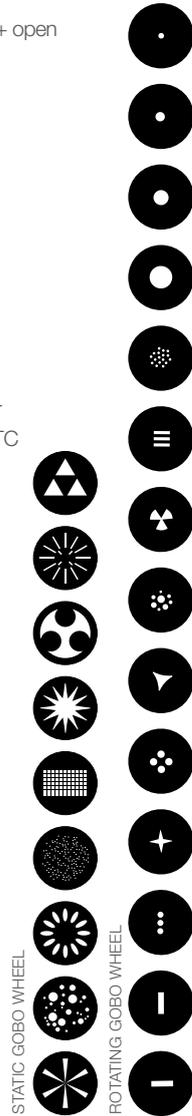
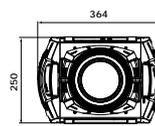
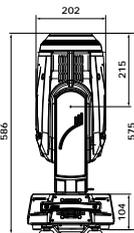
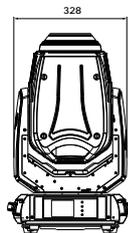
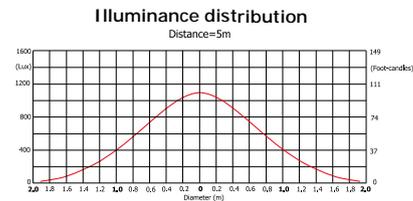
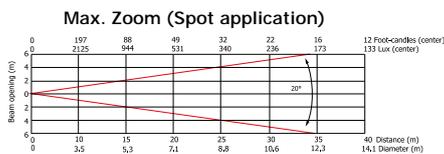
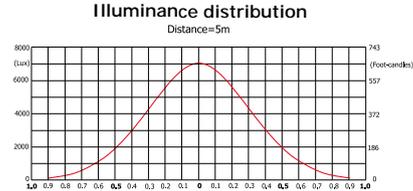
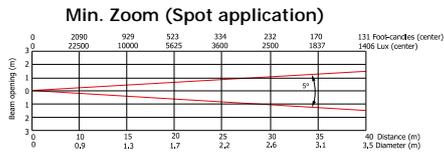
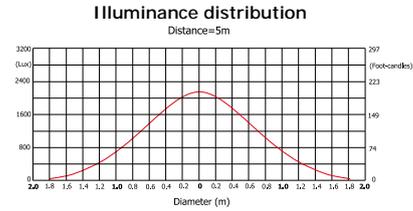
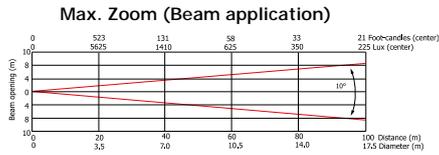
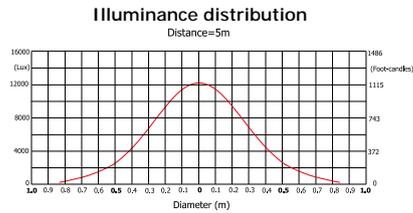
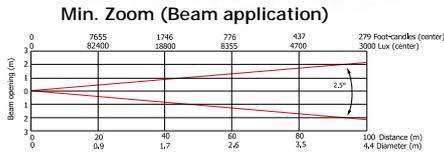
Drop in the frost filter and use any of the 13 rich colours to create a smooth even wash. The Pointe has an output far greater in size, quality and power than seems possible from its small, lightweight body – due to the efficient short arc 280W discharge source and the Robe optical configuration.

This new technology fixture even travels efficiently in a case of 4 and will cover all your needs – Beam, Spot, Wash, FX - there is no Pointe in using any other fixture.

**You get the Pointe?**

## TECHNICAL SPECIFICATION

- Discharge short arc lamp with integrated reflector - Osram Sirius HRI 280W
- Light Output:  
Beam mode: 82.400 lx @ 20 m distance  
Spot mode: 90.000 lx @ 5m distance
- Zoom range: Beam 2,5°–10°; Spot 5°– 20°
- Colour wheel with 13 dichroic filters + white
- Rotating gobo wheel with 9 user replaceable "SLOT&LOCK" gobos + open
- Static gobo wheel with 14 gobos + open
- 6-facet linear prism, indexable and rotating in both directions at different speeds
- 8-facet circular prism, indexable and rotating in both directions at different speeds
- Variable frost effect
- Mechanical dimmer/shutter, Strobe effect 1/10 Hz
- Pan and tilt movement in 16/8 bit resolution 540° / 270° with locking mechanism
- Protocol modes: 3
- Control channels: 24, 16, 30
- Setting & Addressing: ROBE Navigation System 2 (RNS2)
- QVGA Robe touch screen with battery backup gravitation sensor for auto screen positioning operation memory service log with RTC
- Communication protocols USITT DMX-512, Art-Net, MA Net, MA Net2, RDM, sACN
- Electronic auto ranging power supply 100–240 V AC, 50–60 Hz
- Optional wireless version available: CRMX™ technology from Lumen Radio
- Data in/out: Locking 5-pin XLR
- Power in/out: Neutrik powerCON
- Weight only 15 kg (33.07 lbs)



# miniPointe®

Our new miniPointe® is a tiny agile air cutter specifically designed to produce sharp beam and aerial effects especially in venues constrained by size.

Striking bright 0° parallel beams with glowing colours and static gobo wheel patterns can be multiplied by innovative dynamic flower effect (DFE™) producing various shapes of flower beams DFE dynamically changing in the air.

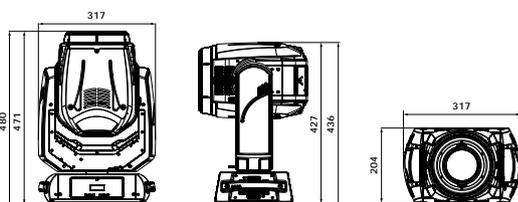
Fine-tuned short arc of the Osram Sirius HRI 140W RO lamp and optimized optical system pushes with ease through haze and fog.

Smooth variable frost filter and any one of the 13 rich colours is instantly ready to create a smooth instantly ready to create smooth even wash, extending the feature set of this petite but powerful Beam, Wash and Effect fixture.

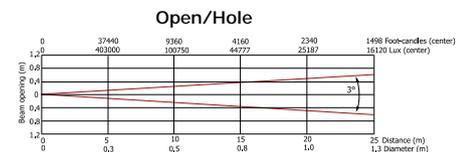


## TECHNICAL SPECIFICATION

- Lamp: Discharge short arc lamp with integrated reflector
- Approved model: Osram Sirius HRI 140W RO
- Life time: 6.000 hours
- Beam angle: 0.7°/1.2°/1.8° with beam reducer
- Built-in analyser for easy fault finding
- Colour wheel: 13 dichroic filters + white
- Static Gobo wheel: 10 gobos + 3 beam reducers + open, thickness: 0.5 mm, gobo image, diameter: 6.8 mm
- DFE™ – Dynamic Flower Effect – creating spectacular beam effects in the air which can change shape, size and speed of rotation (patent pending)
- Frost effect: Separate, variable
- Beam Shaper: Variable shape, indexable and rotatable
- Dimmer: Smooth dimming
- Dimmer/Shutter: Full range dimming and variable strobe effect
- Setting & Addressing: Two-row LCD display & 4 control buttons
- Protocols: USITT DMX-512, RDM
- Optional wireless external module available:
- CRMX™ technology from Lumen Radio
- Protocol modes: 3
- Control channels: 22, 15, 27
- 3-editable programs, each up to 40 steps
- Power in/out: Neutrik powerCON
- Power supply: Electronic auto-ranging, input
- Voltage range: 100–240 V, 50/60 Hz
- Weight: 11.8 kg (26 lbs)



STATIC GOBO WHEEL





# VIVA™ CMY

Powerfully smooth, Robe's VIVA CMY combines brightness of exceptionally clear zero-fringing white beam together with continuous color transitions of CMY mixing.

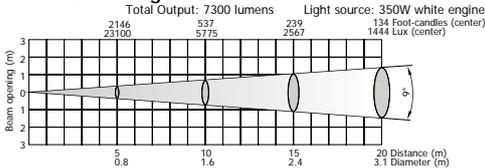
Elegant and lightweight, packed with smart effects that are easy to use. The fixture is very powerful yet consumes little energy.

The 350W white LED light engine gives an extra punchy beam and an incredible 20.000 hours of operation – in fact, no relamping will be needed for the entire life of the fixture!

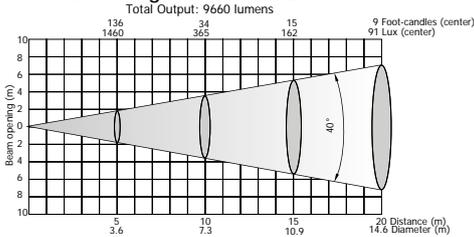
Smooth color transition and fixed vivid and radiant colours can be applied from CMY mixing system and colour wheel, and rotating or static gobos added for projections or mid-air effects. The smooth zoom can go out to 40 degrees at its widest and be softened it up with variable frost to create a gentle wash-like output or dynamic background projections.

The minimum 9° zoom produces a piercing beam that can be trimmed with ultra-fast stepless iris for really punchy output, and VIVA has extremely fast pan/tilt movement using Robe's proprietary EMS™ (Electronic Motion Stabiliser) technology. That and much more is possible with VIVA – entertaining and contemporary!

## Beam angle 9° - Min. zoom



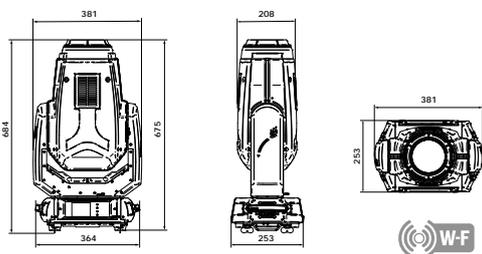
## Beam angle 40° - Max. zoom



## TECHNICAL SPECIFICATION



- Light source type: 350 W White LED engine
- LED life expectancy: min. 20.000 hours
- Colour Temperature: 6.500 K
- Typical lumen maintenance: 70% @ 20.000 hours
- Robe's proprietary optical design
- High - efficiency zoom optical system, ratio 4,5:1
- Zoom range: 9°– 40°
- Output lens diameter: 120 mm
- Even flet field, 2:1 hotspot
- Fixture total lumen output: 9.660 lm
- Light output: 23.100 lx @ 5m
- Colour Wheel: 6 fixed dichroic colours + white
- Virtual Colour Wheel: with 66 preset swatches
- Rotating gobo wheel: 7 rotating, indexable, replaceable "SLOT&LOCK" glass gobos + open
- Static gobo wheel: 9 aluminium gobos + open
- Prism: 3-facet circular rotating prism
- Iris: Motorized, stepless, pulse effects up to 3 Hz
- Frost: Variable, replaceable 20° frost filter; optional 1°, 10° and 30°
- Motorized zoom and focus
- Shutter: Electronic with variable speed strobe (max.20 flashes per second)
- Pre-programmed random strobe & pulse effects
- Setting & Addressing: ROBE Navigation System 2 (RNS2)
- Display: QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC, stand-alone operation with 3 editable programs (each up to 100 steps), built-in analyser for easy fault finding
- Protocols: USITT DMX-512, RDM, ArtNet, MA Net, MA Net2, sACN
- Wireless CRMX™ technology from Lumen Radio (on request)
- DMX Protocol modes: 2
- Control channels: 32, 26
- Dimmer: 8 or 16 bit (internal 18 bit)
- Pan movement: 540° / Tilt movement: 270°
- EMS™: Electronic Motion Stabilizer system for Pan & Tilt reducing beam deviation caused by truss movement or vibration (Patent pending)
- Power consumption: 400 W at 230 V / 50 Hz
- Power in connector: Neutric powerCON TRUE1
- DMX and RDM data in/out: Locking 3-pin & 5-pin XLR
- Ethernet port in: RJ45
- Weight: 19 kg (41.9 lbs)
- Rigging: Horizontal or vertical mounting position; Universal operating position; Mounting points with 2 pairs of 1/4-turn locking points; 2x Omega adaptors with 1/4-turn quick locks; Pan and Tilt transport locks
- Accessories: Frost 1° (exchange) assembled; Frost 10° (exchange) assembled; Frost 30° (exchange) assembled
- Legal: Viva™ is a Trademark of Robe lighting s.r.o. Viva™ CMY is patented by Robe lighting s.r.o. and is protected by one or more pending or issued patents



# Tarrantula™

Building on the success of the LEDWash 1200™ and Spider's advanced technology, Robe is excited to announce the release of their most powerful LED beam/wash/effects fixture yet. We call it the Tarrantula™.

Designed for concerts, car shows, sporting tournaments, indeed any event in a large venue, the Tarrantula is powered by 36x 30W and 1x 60W high powered emitters providing a stunning 20.000 lumen output. The versatile optical system offers an adjustable beam angle, from a tight 4° spot to a super-wide 50° wash, of the highest quality light. The LEDWash 800 inspired Beam Shaper accessory creates a traditional oval beam that can be indexed to precisely cover the desired stage or performance area.

Central to the effects capabilities of this fixture is the exclusive Robe "Flower Effect" adding yet another spectacular visual dimension. Driven by the 60W RGBW multichip, this creates the sharpest spikes of light, rotating in either direction with controlled speed.

Fully saturated and intense colours as well as subtle pastel tones are created with velvety smooth transitions thanks to the integrated internal 18bit LED dimming system.

Dynamic video effects are easily achieved by mapping individual pixels controlled by a DMX desk or media servers via sACN with internal HTP merging, DMX or by Kling-Net protocol.



## TECHNICAL SPECIFICATION

- Light source type: 1x 60W RGBW and 36 x 30W RGBW LED multichips
- LED life expectancy: min. 20.000 hours
- Typical lumen maintenance: 70% @ 20.000 hours
- Robe's proprietary optical design
- Zoom range: 4° – 50°
- Fixture total lumen output: 20.150 lm
- Colour mixing mode RGBW or CMY
- Individual control of each RGBW pixel
- Variable CTO: 2.700K–8.000K
- Virtual Colour Wheel: with 66 preset swatches
- Tungsten lamp effect at whites: 2.700K and 3.200K (red shift and thermal delay)
- Colour rainbow effect with variable speed
- Pre-programmed pixel effects with colour, dimming and strobe chases, waves and pulses at variable speed and direction
- Innovative Flower Effect: rotating in both directions at variable speed (Patent pending)
- Strobe effect: variable speed (max. 20 flashes per second)
- Setting & Addressing: ROBE Navigation System 2 (RNS2)
- Display: QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC, stand-alone operation with 3 editable programs (each up to 100 steps), built-in analyser for easy fault finding
- Protocols: USITT DMX-512, RDM, Art-Net, MA Net, MA Net2, sACN, Kling-Net
- Wireless CRMX™ technology from Lumen Radio (on request)
- DMX Protocol modes: 6; Control channels: 27, 47, 145, 182, 158, 195
- R,G,B,W colour mixing: 8 or 16 bit (internal 18 bit)
- Dimmer: 8 or 16 bit (internal 18 bit)
- Pan / Tilt movement: 540° / 220°
- EMS™: Electronic Motion Stabilizer system for Pan & Tilt reducing beam deviation caused by truss movement or vibration (Patent pending)
- Power consumption: max. 1200 W
- Power in connector: Neutric powerCON TRUE1
- DMX and RDM data in/out: Locking 3-pin & 5-pin XLR
- Ethernet port in/out: RJ45
- Weight: 18.0 kg (29.2 lbs)
- Mounting positions: Horizontally or vertically
- Universal operating position
- Rigging: Mounting points: 2 pairs of 1/4-turn locking points; 2x Omega adaptors with 1/4-turn quick locks; Safety cable attachment point; Tilt transport lock.
- Tarrantula is Registered Trademark of Robe lighting s. r. o.  
Tarrantula is patented by ROBE lighting s. r. o. and is protected by one or more pending or issued patents.



# Spikie®



Spikie, a small, super fast LED WashBeam, which utilises a single 60W RGBW light source with a specially designed 110mm wide front lens producing a solid beam. The fixture quickly zooms from a soft wide 28° wash to a tight sharp-edged 4° beam or one of two new stunning air effects.

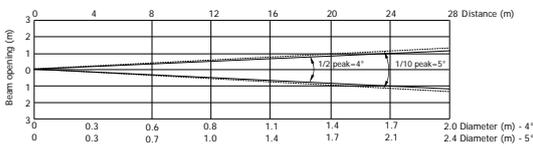
The new innovative Flower Effect creates sharp multicoloured spikes of light, rotating in both directions at variable speed. Additionally, a unique Beam Effect Engine transforms the output into a dynamic ray of three narrow beams, creating another new visual effect to the show.

Continuous rotation of pan and tilt gives new dynamic elements across the stage.

Spikie is a very compact 7.3 kg fixture, which can be hung in any position. It is supplied complete with one Omega bracket and is available in cardboard, six-way, eight-way and twelve-way cases.

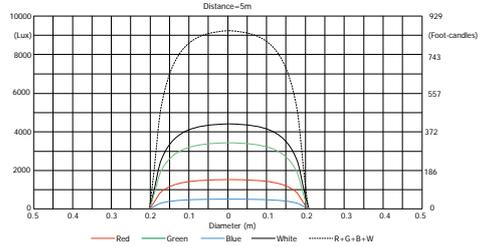
## Min. Zoom Flower Effect Off

Total Output: 600 lumens



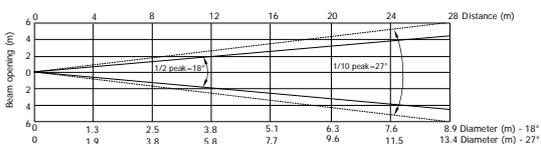
| Distance (m) | 4          | 5        | 8        | 12       | 16     | 20     | 24     | 28     |  |
|--------------|------------|----------|----------|----------|--------|--------|--------|--------|--|
| Red          | 2422/225   | 1550/144 | 605/56   | 270/25   | 151/14 | 97/9   | 67/6   | 50/5   | Intensity (center)<br>Lux/foot-candles |
| Green        | 5156/479   | 3300/307 | 1290/120 | 573/53   | 322/30 | 206/19 | 143/13 | 105/10 |  |
| Blue         | 765/71     | 490/46   | 191/18   | 85/8     | 48/4   | 31/2.8 | 21/2   | 16/1.5 |  |
| White        | 6875/639   | 4400/409 | 1718/160 | 764/71   | 430/40 | 275/26 | 191/18 | 140/13 |  |
| R+G+B+W      | 14884/1346 | 9270/861 | 3621/336 | 1609/150 | 905/84 | 579/54 | 402/37 | 296/28 |  |

## Illuminance distribution



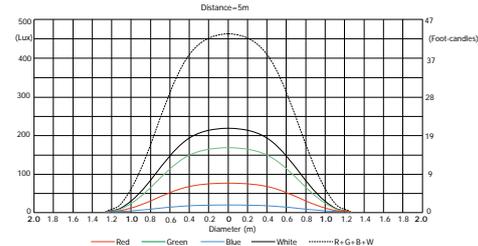
## Max. Zoom Flower Effect Off

Total Output: 920 lumens



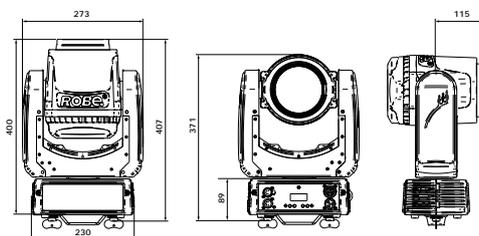
| Distance (m) | 4      | 5      | 8      | 12     | 16     | 20     | 24     | 28      |  |
|--------------|--------|--------|--------|--------|--------|--------|--------|---------|--|
| Red          | 125/12 | 80/7.4 | 31/3   | 14/1.3 | 8/0.7  | 5/0.5  | 4/0.3  | 2/0.2   | Intensity (center)<br>Lux/foot-candles |
| Green        | 266/25 | 170/16 | 66/6.2 | 30/2.7 | 17/1.5 | 10/1   | 7/0.7  | 5/0.5   |  |
| Blue         | 403/8  | 262/4  | 10/0.9 | 5/0.4  | 3/0.2  | 2/0.2  | 1/0.1  | 0.8/0.1 |  |
| White        | 344/32 | 220/20 | 87/8   | 38/4   | 22/2   | 14/1.3 | 9/0.9  | 7/0.7   |  |
| R+G+B+W      | 727/68 | 465/43 | 180/17 | 80/8   | 45/4.2 | 29/2.7 | 20/1.9 | 15/1.4  |  |

## Illuminance distribution



## TECHNICAL SPECIFICATION

- Light source: 60W RGBW LED
- LED life expectancy: min. 20.000 hrs
- Typical lumen maintenance: 70% @ 20.000 hrs
- Total lumen output: 1.800 lm (min. 13.000 lx@5m)
- Output Lens diameter: 110 mm
- Fixture total lumen output: 910 lm
- Beam angle: Zoom range 4°–28°
- Flower Effect - creates sharp multicoloured spikes of light, rotating in both directions at variable speed (Patent pending)
- Colour mixing mode RGBW or CMY
- Variable CTO 2.700–8.000 K
- Virtual colour wheel with 66 preset swatches
- 3-facet circular prism
- Tungsten lamp effect at whites 2.700 K and 3.200 K
- Colour rainbow effects in both directions with variable speed
- Setting & Addressing: two-row LCD display & 4 control buttons, stand-alone operation with 3 editable programs (each up to 25 steps)
- Pre-programmed random strobe & pulse effects
- Setting & Addressing: two-row LCD display & 4 control buttons
- Wireless CRMX™ technology from Lumen Radio (on request)
- Pan/Tilt movement range 360° with continuous rotation control
- Protocol modes: 2
- Control channels: 27, 21
- Dimmer: 8 or 16 bit (internal 18 bit)
- Data in/out: Locking 5-pin XLR
- Power in/out: Neutrik powerCON TRUE1 in/out
- Power supply: Electronic auto-ranging
- Input voltage range: 100–240 V, 50/60 Hz
- Power consumption: Max. 100 W at 230 V / 50 Hz\*
- Weight: 7.3 kg (16.1 lbs)
- Rigging: Mounting points with one pair of 1/4-turn locking points; 1x Omega adaptor with 1/4-turn quick locks, safety cable attachment point
- Universal operating position



# Spiider®

## THE NEXT BIG THING FROM ROBE!

Spiider, a superbright next generation of LED WashBeam luminaries, using 18x 30 Watt and 1x 60 Watt LEDs and combining it with a very efficient 12:1 zoom optical system ranging from tight 4° Beam to wide 50° Wash, makes the product the most powerful LED fixture on the market!

Beautiful convergence of hard edge in-air effects, punchy beams and smooth homogenized wash is all encapsulated in the unique Spiider.

Rich colors of 19 powerful RGBW LEDs can create charming wash light with velvety smooth transitions thanks to internal 18bit LED dimming system.

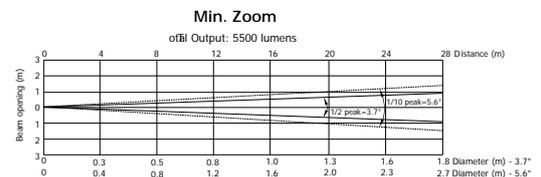
Dynamic video effects are easily achieved by mapping individual pixels and controlled by DMX desk or media servers via sACN with internal HTP merging, DMX or by Kling-Net protocol.

Unique central piece with Robe exclusive Flower Effect is driven by 60W RGBW LED multichip for new innovative sharp multicoloured spikes of light, rotating in both directions at variable speed, adding another new visual effect to the show.

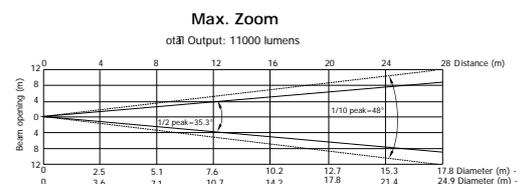
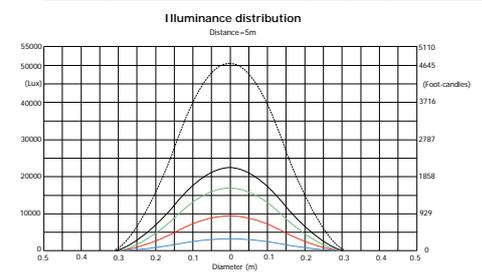


## TECHNICAL SPECIFICATION

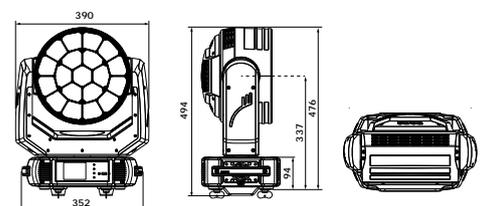
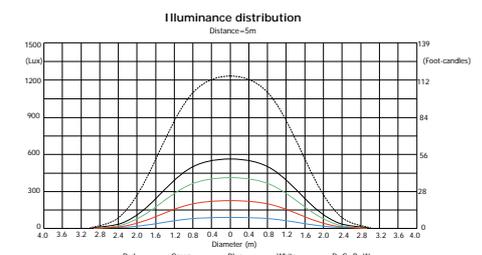
- Light Source Type: 1x 60W RGBW and 18 x 30W RGBW LED multichips
- LED Life Expectancy: min. 20.000 hours
- Typical Lumen Maintenance: 70% @ 20.000 hours
- Zoom range: 4° – 50°
- Fixture total lumen output: 11.000 lm
- Light output: 50.100 lx @ 5m
- Colour mixing mode: RGBW or CMY
- Individual control of each RGBW pixel
- Variable CTO 2.700–8.000K
- Virtual Colour Wheel with 66 preset swatches
- Tungsten lamp emulation at whites 2.700 K and 3.200 K (red shift and thermal delay)
- Colour rainbow effect with variable speed
- Pre-programmed pixel effects and patterns with colour, dimming and strobe chases, waves and pulses at variable speed and directions
- Innovative Flower Effect rotating in both directions at variable speed (Patent pending)
- High Resolution Dimmer: 0–100%
- Strobe effect: variable speed (max.20 flashes per second)
- Setting & Addressing: Robe Navigation System 2 (RNS2)
- Display: QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC, stand-alone operation, 3 editable programs - each up to 100 steps
- Protocols: USITT DMX-512, RDM, Art-Net, MA Net, MA Net2, sACN, Kling-Net
- Wireless CRMX™ technology from Lumen Radio (on request)
- Protocol modes: 10
- Control channels: 49, 27, 33, 90, 27, 46, 91, 110, 103, 122
- R,G,B,W colour mixing (internal 18 bit): 8 or 16 bit
- Dimmer: 8 or 16 bit (internal 18 bit)
- Pan movement: 540°
- Tilt movement: 230°
- Power Consumption: max. 600W
- Power in Connector: Neutrik powerCON TRUE1
- Embedded Ethernet switch 10/100 Mbps: 1 x in/ 1 x out
- Weight: 13.3 kg (29.2 lbs)
- Rigging: Mounting points: 2 pairs of ¼ -turn locking points; 2x Omega brackets with ¼-turn quick locks; universal operating position; safety cable attachment point; tilt transport lock
- Legal: Spiider® is a registered Trademark of Robe lighting s.r.o. Spiider® is patented by Robe lighting s.r.o. and is protected by one or more pending or issued patents



| Distance (m) | 4          | 5          | 8          | 12       | 16       | 20       | 24       | 28       |                                   |
|--------------|------------|------------|------------|----------|----------|----------|----------|----------|-----------------------------------|
| Red          | 14540/333  | 9320/866   | 3640/338   | 1618/150 | 910/85   | 582/54   | 405/38   | 297/28   |                                   |
| Green        | 25580/239  | 16320/1516 | 6375/592   | 2833/263 | 1594/148 | 1020/95  | 708/66   | 520/48   |                                   |
| Blue         | 4922/457   | 3150/293   | 1230/114   | 547/51   | 308/29   | 197/18   | 137/13   | 100/9    | Intensity Control<br>Foot-candles |
| White        | 35031/3254 | 22420/2082 | 8757/814   | 3892/362 | 2190/203 | 1400/130 | 967/90   | 714/44   |                                   |
| R+G+B+W      | 78280/7271 | 50100/4654 | 19570/1818 | 8698/808 | 4893/455 | 3130/291 | 2175/202 | 1598/148 |                                   |



| Distance (m) | 4        | 5        | 8      | 12     | 16     | 20     | 24     | 28      |                                   |
|--------------|----------|----------|--------|--------|--------|--------|--------|---------|-----------------------------------|
| Red          | 36734    | 23572    | 929    | 404    | 232    | 151.4  | 100.9  | 80.7    |                                   |
| Green        | 454/61   | 420/39   | 164/15 | 73/7   | 41/3.8 | 26/2.4 | 18/1.7 | 13/1.2  |                                   |
| Blue         | 133/12   | 85/8     | 33/3   | 15/1.4 | 8/0.8  | 5/0.5  | 4/0.3  | 2.7/0.3 | Intensity Control<br>Foot-candles |
| White        | 890/83   | 570/53   | 222/21 | 99/9   | 54/5   | 36/3.3 | 25/2.3 | 18/1.7  |                                   |
| R+G+B+W      | 1953/182 | 1250/116 | 488/45 | 217/20 | 122/11 | 78/7   | 54/5   | 40/3.7  |                                   |

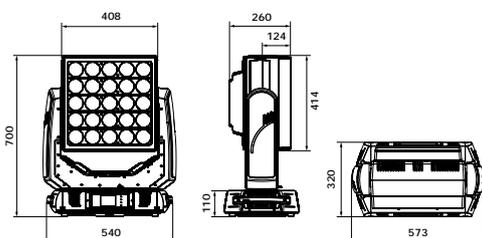
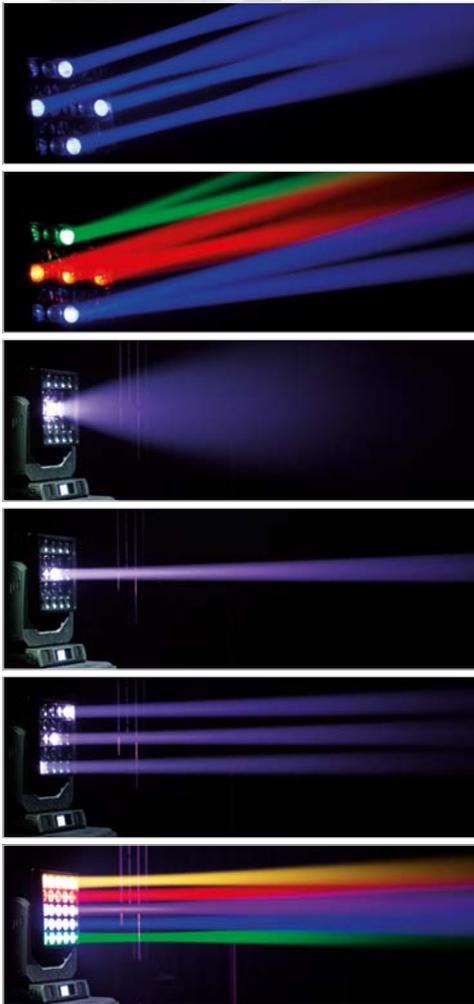


# Square™

The ROBE Square offers new exciting possibilities by combining video projection, pixel animations, beam effects and LED wash light all in a continuous rotation movement fixture. LED matrix of 25 powerful RGBW multichips in pixel mappable array can be controlled via traditional RGB channels or via easy to use network driven application. Nine individually controllable effect engines can create beam effects or In-air animations. Five independent zooming layers offer unique possibilities of zoom waves and combination of wash coverage on the edges and beam effect in the center at the same time. Continuous rotation movement of pan and tilt offers creation of video as well as scenographical elements on the scene.

## TECHNICAL SPECIFICATION

- Light Source Type: 25x 30W RGBW multichips
- Fixture total lumen output: 7.500 lm
- Light Output: 35.000 lx @ 5 m
- LED Life Expectancy: minimum 20.000 hours
- Typical Lumen Maintenance: 70% @ 20.000 hours
- Optical lenses with compensated colour aberration
- Zoom range (5 LED lines On): 4°– 38° (46° at 2 LED lines On)
- 5 independent zooming modules, each module consisting of 5 LEDs in linear configuration
- 9 independently controllable Beam Effect Engines, creating dynamic rays of micro-beams in the air (Patent pending)
- Individual control of each RGBW pixel
- Colour Mixing System: RGBW/CMY, variable CTO
- Virtual colour wheel with pre-programmed 237 colours including whites (2.700 K, 3.200 K, 4.200 K, 5.600 K and 8.000 K)
- Tungsten lamp effect at whites 2.700 K and 3.200 K (red shift and thermal delay during dimming)
- Colour rainbow effect with variable speed
- Pan/Tilt movement 360° with continuous rotation control
- Dimmer (internal 18 bit): 8 or 16 bit
- Pre-programmed pixel effects with colour, dimming and strobe chases, waves and pulses at variable speed and directions
- Strobe effect with variable speed (max.20 flashes per second)
- Preprogramed random strobe & pulse effects
- Pan/Tilt movement 360° with continuous rotation control
- Dimmer (internal 18 bit): 8 or 16 bit
- Setting & Addressing: Robe Navigation System 2 (RNS2)
- Protocols: USITT DMX-512, RDM, Art-Net, MA Net, MA Net2, sACN, Kling-Net
- Wireless CRMX™ technology from Lumen Radio (on request)
- Protocol modes: 3
- Control channels: 24, 43, 118
- 3 editable programs, each up to 100 steps
- Display: QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC
- Dimmer (internal 18 bit): 8 or 16 bit
- Data in/out: Locking 3-pin & 5-pin XLR
- Ethernet switch 10/100 Mbps: 1 x In / 1 x Out
- Power Consumption: max. 800W
- Power in: Neutrik powerCON TRUE1
- Movement resolution: 16 bit
- Position correction: Automatic Pan/Tilt
- Weight: 36.5 kg (80.5 lbs)
- Rigging: Mounting points with 2 pairs of 1/4-turn locking points; 2x Omega brackets with 1/4-turn quick locks; universal mounting position



# MiniMe®

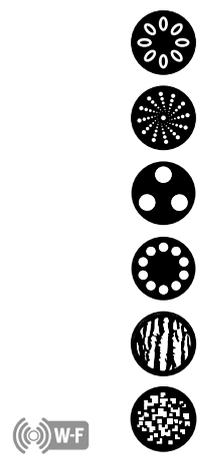
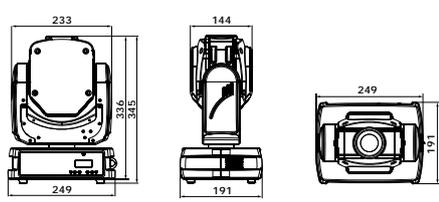
Bar, club and retail lighting has taken another step into the digital future. The MiniMe is an effects lighting luminaire with the addition of full video output.

This small, neat, fast moving fixture is LED driven with 20.000 hour lifetime light source. Colours, Gobos and beam shapes are all digitally generated by the on-board micro-media server.

Custom artwork, still photographs and video can also be simply uploaded for projection, whilst live video can be streamed through the High Definition Multimedia Interface input.

## TECHNICAL SPECIFICATION

- Light Engine: RGB LED device
- Light output comparable with 2.500 ANSI lumen projectors
- Rated light source life: 20.000 hours
- Digital gobo wheel with gobos, images and videos
- Virtual colour wheel with pre-programmed colours
- Colour effect wheel with wide range of in-built colour effects (colour transitions and cross-fades, multiple colour images, rainbow effects)
- Effect wheel with wide range of graphic effects (Kaleidoscopic effect, fish eye, iris, zoom, swirl effect, pixelation effect, cross-stitching, posterization, and more...)
- Horizontal/Vertical keystoneing
- Upload and projection of custom artwork, still photographs and videos
- Live input via external High Definition Multimedia Interface
- Embedded micro-media server
- Operating system: Linux OS
- Projection resolution: WXGA (1.280x800)
- Display colours: 16.7 million colours
- DMX data in/out: Locking 5-pin XLR
- 2x USB 2.0 connector (series A)
- Art-Net: RJ 45 (Neutrik Ethercon)
- Protocols: USITT DMX-512, RDM, Art-Net,
- Protocol mode: 1
- Control channels: 24
- Ethernet port: Art-Net, ready for ACN
- Optional wireless external module available: CRMX™ technology from Lumen Radio
- Data in/out: Locking 5-pin XLR
- AC power in/out: Neutrik powerCON
- Input voltage range: 100–240 V AC, 50–60 Hz
- Max. Power Consumption 90W @ 230 V
- Weight only: 6 kg (13.23 lbs)
- Mounting points: 1 pair of ¼-turn locking points
- 1x Omega bracket with ¼-turn quick lock



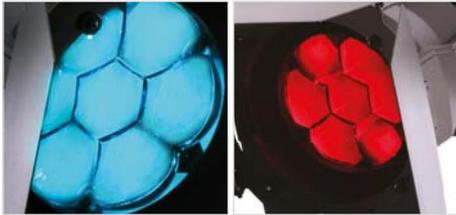


# ParFect 150™ / ParFect 150 FW™

An LED source ACL beam at an affordable price and made in Europe, now with zoom included.

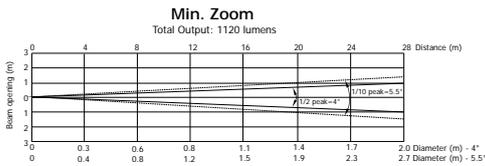
ParFect 150 is a static, zoomable version of the successful LEDBeam 100 and retains all the key features including both CMY & RGBW colour control, 18-bit dimming, Tungsten emulation, selectable & variable colour temperatures and the powerful punchy beam ranging from 3.8° to 60°.

The compact and lightweight moulded composite unit includes a combined hanging bracket/floor stand. Accessories such as barn-doors and the gel frame give ParFect 150 the features required for TV and theatre.



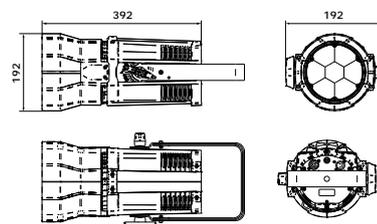
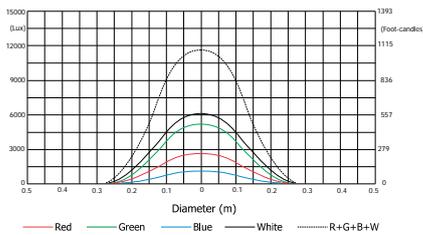
## TECHNICAL SPECIFICATION

- Light source type: 7 x 30 W RGBW multichips
- LED life expectancy: min. 20.000 hours
- Typical lumen maintenance: 70% @ 20.000 hours
- Robe's proprietary optical design
- High - efficiency zoom optical system, ratio 12:1
- Zoom range: 3.8°– 60°
- Diffusion filter imbedded (ParFect 150™ FW)
- Fixture total lumen output: ParFect 150™: 2.842lm  
ParFect 150™ FW: 2.288lm
- Light output: ParFect 150™: 12.200lx @ 5 m  
ParFect 150™ FW: 8.190lx @ 5 m
- Light output: 11.600lx @ 5m
- Colour mixing mode RGBW or CMY
- Variable CTO: 2.700K - 8.000K
- Virtual Colour Wheel: with 66 preset swatches
- Tungsten lamp effect at whites: 2.700K and 3.200K (red shift and thermal delay)
- Pre-programmed random strobe & pulse effects
- High resolution electronic dimming: 0–100%
- Setting & Addressing: two-row LCD display & 4 control buttons, stand-alone operation with 3 editable programs (each up to 25 steps)
- Protocols: USITT DMX-512, RDM
- Wireless CRMX™ technology from Lumen Radio (on request)
- DMX Protocol modes: 2
- Control channels: 17, 11
- Dimmer: 8 or 16 bit (internal 18 bit)
- Power consumption: Max. 220W
- Power in/out connector: Neutrik powerCON in/out
- DMX and RDM data in/out: Locking 5-pin XLR
- Weight: 5 kg (11 lbs)
- Rigging: Mounting horizontally or vertically via mounting yoke, Universal operating position, Safety cable attachment point
- Accessories: Wireless DMX external module, Gel frame, Barn door module, EggCrate, HALO frame adaptor, Daughy Trigger Clamp, Safety Wire, Single Top Loader Case, Six Pack Top Loader Case, Eight Pack Top Loader Case
- Legal: ParFect 150™ is the Trademark of ROBE lighting s.r.o. ParFect 150™ & ParFect 150™ FW are patented by ROBE lighting s.r.o. and are protected by one or more pending or issued patents.



| Distance (m) | 4          | 5          | 8        | 12       | 16       | 20     | 24     | 28     |                                    |
|--------------|------------|------------|----------|----------|----------|--------|--------|--------|------------------------------------|
| Red          | 3938/366   | 2520/234   | 984/92   | 438/41   | 244/23   | 157/15 | 109/10 | 80/8   | Intensity (center)<br>Foot-candles |
| Green        | 5020/466   | 3020/282   | 1060/102 | 472/41   | 260/24   | 164/15 | 114/10 | 84/8   |                                    |
| Blue         | 1867/157   | 1160/100   | 422/39   | 187/17   | 105/10   | 68/6   | 47/4   | 34/3   |                                    |
| White        | 2422/215   | 1520/140   | 535/50   | 244/23   | 138/13   | 81/8   | 56/5   | 41/4   |                                    |
| R+G+B+W      | 18125/1484 | 11689/1071 | 4034/421 | 2013/187 | 1132/105 | 725/67 | 503/47 | 370/34 |                                    |

**Illuminance distribution**  
Distance=5m



# ParFect 100™

The ParFect, an LED source ACL beam at an affordable price and made in Europe. This unit is a static version of the successful LEDBeam 100 and retains all the key features including both CMY & RGBW colour control, Tungsten emulation, Zone Fx, selectable & variable colour temperatures and the really powerful punchy 7° beam.

The compact and lightweight moulded composite unit is complete with a combined hanging bracket/floor stand.

Wireless DMX, clip-on diffusion filters and detachable barndoors, are available as additional cost options.



## TECHNICAL SPECIFICATION

- 12 x RGBW LED multichips
- Led Life Expectancy: minimum 60.000 hours
- Typical Lumen Maintenance:
  - 70 % @ 60.000 hours
- Beam angle: 7°
- RGBW or CMY colour mixing, CTO
- Virtual colour wheel with 237 colours including whites (2.700 K, 3.200 K, 4.200 K, 5.600 K and 8.000 K)
- Tungsten lamp emulation at whites 2.700 K and 3.200 K
- Three LED zones, individual colour control of each LED zone
- High resolution dimmer 0 –100 %
- Strobe effect with variable speed
- LED zone strobe effects with variable speed
- Programs: 3 user-editable programs each up to 40 steps
- Data in/out: Locking 5-pin XLR
- Protocol modes: 2
- Control modes: 14, 9, 4, 30, 35, 4
- Two-line LCD display & 4 push buttons
- Communication protocols: USITT DMX-512, RDM
- Optional wireless external module available: CRMX™ technology from Lumen Radio
- Electronic auto ranging power supply, 100–240 V AC, 50–60 Hz
- Weight: 4 kg (8.8 lbs)
- Optional accessories: diffusion filters 40°, 20° and 10°, wireless DMX module, barndoor module, accessory frame adaptor and gel frame



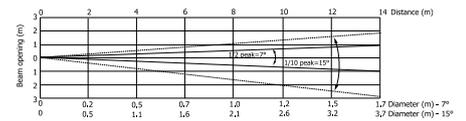
Accessory Frame Adaptor



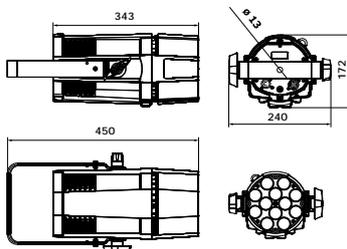
Gel Frame

Barndoor

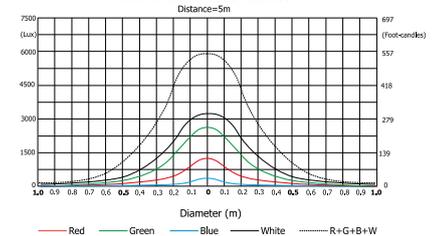
Beam angle 7°



| Distance (m) | 2         | 4        | 5        | 6        | 8        | 10       | 12      | 14     |  |
|--------------|-----------|----------|----------|----------|----------|----------|---------|--------|--|
| Red          | 7125/662  | 1781/166 | 1140/106 | 792/74   | 445/41   | 285/27   | 198/18  | 145/14 | Intensity<br>(cd/m²)<br>Lux/foot-candles |
| Green        | 5118/411  | 1797/353 | 2430/226 | 1688/157 | 949/88   | 608/56   | 422/39  | 310/29 |  |
| Blue         | 2009/186  | 500/47   | 320/30   | 222/21   | 125/12   | 88/7     | 56/5    | 41/4   |  |
| White        | 30125/180 | 5031/467 | 3203/295 | 2236/208 | 1258/117 | 865/75   | 599/52  | 411/38 |  |
| R+G+B+W      | 37350/246 | 6313/885 | 5960/554 | 4139/385 | 2338/216 | 1496/138 | 1025/96 | 760/71 |  |



Illuminance distribution



# ParFect SB1™



A powerful single source LED luminaire designed specifically to provide the highest quality of light. Available in different colour temperatures to suit the application – from crisp 6.000 K white for exhibition/display, through 4.000 neutral white for shops to a warm 3.000 K or 2.700 K for stage performance.

High resolution dimming and a native 12° or 23° output, make it universally appealing. Designed and built entirely at our Czech facility in a lightweight composite material finished in either black or white. Supplied complete with gel frame, detachable barndoor set and swivel floor stand/hanging bracket. Very competitively priced and offered with a full complement of additional cost options including beam diffusers.

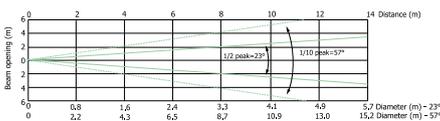
Easy control - to adjust default light output when unit is powered on, the jog dial wheel at the back panel allows quick set and save of desired intensity of light.



## TECHNICAL SPECIFICATION

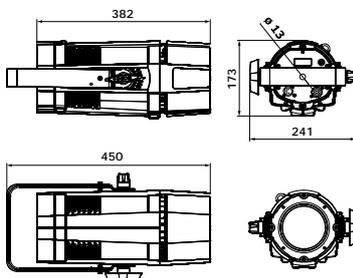
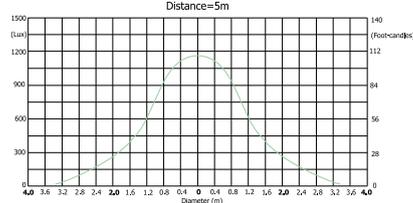
- Light Source Type: 1x 130W COB LED
- LED Life Expectancy: minimum 60.000 hours
- Typical Lumen Maintenance: 70% @ 60.000 hours
- Beam angle: 12°, 23° (optional diffuser 28° included)
- CCT: 2.700, 3.100, 4.000 or 6.000 K
- Setting & Control: Jog Dial & Button
- Dimmer: Manual Dimmer 0-100%
- Power supply: Electronic auto-ranging
- Input voltage range: 100–240 V, 50/60 Hz
- Power consumption: max 150 W at 230 V/50 Hz
- AC Connection: 3-Core Cable
- Weight: 4.5 kg (9.9 lbs)
- Mounting Points: Mounting horizontally or vertically via mounting yoke (360° tilt range)
- Accessories:
  - Included: Diffuser 28°, accessory frame adaptor, gel frame, barndoor
  - Optional: Diffusion filters: 40°, 50°, 62°x46°, 70°x48°

### 6.000 K



| Distance (m) | 2       | 4        | 5        | 6      | 8      | 10     | 12     | 14     |
|--------------|---------|----------|----------|--------|--------|--------|--------|--------|
| White 6000K  | 7075/88 | 1844/171 | 1190/110 | 819/76 | 463/43 | 285/27 | 205/19 | 150/14 |

### Illuminance distribution



# ParFect S1™



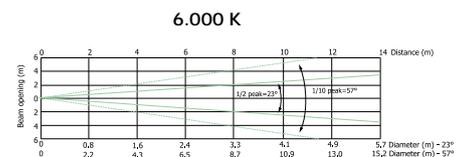
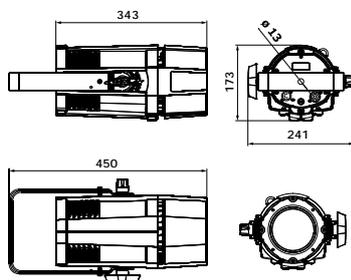
A powerful single source LED luminaire designed specifically to provide the highest quality of light. Available in different colour temperatures to suit the application – from crisp 6.000 K white for exhibition/display, through 4.000 neutral white for shops to a warm 3.000 K or 2.700 K for stage performance.

High resolution DMX dimming and a native 12° or 23° output, make it universally appealing. Designed and built entirely at our Czech facility in a lightweight composite material finished in either black or white. Supplied complete with gel frame, detachable barndoor set and swivel floor stand/hanging bracket. Very competitively priced and offered with a full complement of additional cost options including: beam diffusers and plug-in wireless DMX module.

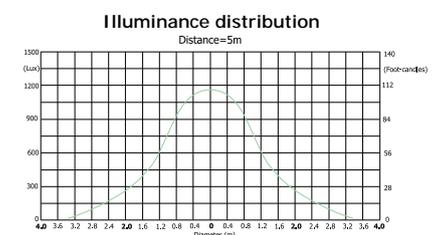
The S1 is coming with full DMX controlling functionality, which enables it to be remotely managed and programmed from DMX lighting desks.

## TECHNICAL SPECIFICATION

- Light Source Type: 1x 130W COB LED
- LED Life Expectancy: minimum 60.000 hours
- Typical Lumen Maintenance: 70% @ 60.000 hours
- Beam Angle: 12°, 23° (optional diffuser 28° included)
- CCT: 2.700, 3.000, 4.000 or 6.000 K
- High Resolution Dimmer: 0–100%
- Strobe effect with variable speed (max. 20 flashes per second)
- Preprogrammed random strobe & pulse effects
- Setting & Addressing: 2-row LCD display & 4 buttons
- Protocols: USITT DMX 512, RDM
- Wireless CRMX™ technology from Lumen Radio (on request)
- Protocol modes: 3
- Control channels: 1, 2, 3
- Programs: 3 user - editable program up to 40 steps
- Data in/out: Locking 5-pin XLR
- Power Consumption: max. 150W
- Power Connector: Neutrik powerCON In/Out
- Weight: 4.5 kg (9.9 lbs)
- Mounting Points: Mounting horizontally or vertically via mounting yoke (360° tilt range)
- Accessories:
  - Standard: Diffusion filters 28°, accessory frame adaptor, Barndoor
  - Optional: Diffusion filters: 40°, 50, 62°x46°, 70°x48°, ROBE Wireless CRMX Dongle



| Distance (m) | 2        | 4         | 5        | 6      | 8      | 10     | 12     | 14     |
|--------------|----------|-----------|----------|--------|--------|--------|--------|--------|
| White 6000K  | 7175/685 | 1844/1771 | 1180/110 | 819/76 | 461/43 | 295/27 | 205/19 | 150/14 |





# UV Strobe™ /UV Strobe Lite™

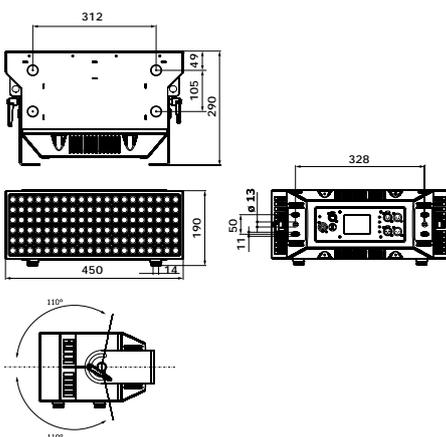
Eye – popping UV effects with visible indigo glow combined with bright white strobe-blinder effects is making this product a truly unique on the market.

Ultimately controllable, configurable and arrayable. Super fast bursts of high-powered pulses can be adjusted in frequency, duration and intensity, optically harnessed from the 40x High Power White LED chips and 80x High Power UV LED chips.

UV Strobe is easy to rig individually or in multiples and easy to program using direct segment control or predefined macros. Fitted with the standard Robe RNS touch screen system with DMX, RDM, Art-Net, MA Net and sACN protocols. Optional wireless DMX module.

## TECHNICAL SPECIFICATION

- Light source type: 80x 385nm UV + 40x 15W White LED chips
- Lifetime: min. 16.000 hours
- Typical lumen maintenance: 70% @ 16.000 hours
- High efficient component optics
- Beam angle: 32° (1/2 beam), UV 38° (1/2 Beam), 60° (1/10 beam)
- 12 individually controllable segments (3 lines nad 4 columns)
- Strobe duration: 13–860 ms
- Strobe rate: 0,3–30 Hz
- Strobe effect: Ramp up, ramp down, ramp up-down, random flash, single flash
- High resolution electronic dimming
- Setting & Addressing: QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC, stand-alone operation with 3 editable programs (each up to 88 steps), built-in analyser for easy fault finding
- Wireless CRMX™ technology from Lumen Radio (on request)
- DMX Protocol modes: 4
- Control channels: 8, 20, 3, 4
- Dimmer: 8 or 16 bit
- Power consumption: 660W
- Power in connector: Neutrik powerCON
- DMX and RDM data in/out : Locking 5-pin XLR
- Ethernet port in/out: RJ45
- Weight: 14.3 kg (31.5 lbs)
- IP: 22
- Rigging: Horizontal or vertical mounting positions; Universal operating position; Mounting points with 2 pairs of 1/4-turn locking points; 2x Omega adaptors with 1/4-turn quick locks; UV Strobe - Multipoint segment locking for big truss installation; UV Strobe Lite - One pair of 1/4 turn locking points, 1x Omega bracket with 1/4 turn quick locks; Removable floor stand
- Accessories: Accesory frame adaptor and gel frame, Gel frame, Barndoor, Floor stand, Stacker, Line cords powerCON In, Single Top Loader Case, Quad Top Loader Case
- Legal: UV Strobe™/ UV StrobeLite™ are Trademarks of Robe lighting s.r.o. UV Strobe™/UV StrobeLite™ are patented by Robe lighting s.r.o. and is protected by one or more pending or issued patents.



# UVStrobe IP™

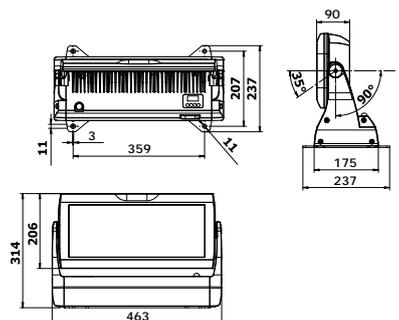
Breathtaking UV strobe and wash for outdoor exposures, this 180W LED luminaire provides the ideal output of 385nm for all types of entertainment events. UV Strobe IP has a high IP rating of 67 providing the reliability required for the most demanding projects, including fixed installations and temporary events.

UV Strobe IP is easy to rig and program using segment control or predefined macros and produces super-fast bursts of high powered LEDs with adjustable duration and intensity. UV Strobe IP is a great tool for theme parks, theatres and all types of entertainment events.



## TECHNICAL SPECIFICATION

- Light source type: 60 x 385nm UV LEDs
- LED life expectancy: min. 16 000 hours
- Typical lumen maintenance: 70% @ 16 000 hours
- High efficient component optics
- Beam angle: 38° (1/2 beam), 60° (1/10 beam)
- 6 individually controllable LED zones
- Strobe duration: 13–860 ms
- Strobe rate: 0.3–30 Hz
- Strobe effect: Ramp up, ramp down, ramp up-down, random flash, single flash
- Individual zone strobe effect with variable speed
- High resolution electronic dimming: 0 - 100%
- Setting & Addressing: 4-segment LED display & 4 control buttons, stand-alone operation with 1 editable program up to 40 steps)
- Protocols: USITT DMX-512, RDM
- Wireless CRMX™ technology from Lumen Radio (on request)
- DMX Protocol modes: 4
- Control channels: 8, 14, 3, 4
- Dimmer: 8 or 16 bit (internal 18 bit)
- Movement control: manual
- Power consumption: 180W at 230V / 50Hz
- AC connection: power cable with plug
- DMX and RDM data in/out: Locking 5-pin XLR IP 67
- Rugged aluminium housing
- Weight: 14.3 kg (31.5 lbs)
- IP: 67
- Rigging: Universal operating position; Removable surface mount adaptor; C-clamp adaptor
- Included Items: User Manual; Universal Base Adaptor
- Accessories: Top hat, Half top hat, Barndoor module, Anti-glare, Set of Rubber Feet, Single Top Loader Case
- Legal: UV Strobe™/UV StrobeLite™ are trademarks of ROBE lighting s.r.o. UV Strobe™/UV StrobeLite™ are patented by ROBE lighting s.r.o. and are protected by one or more pending or issued patents.



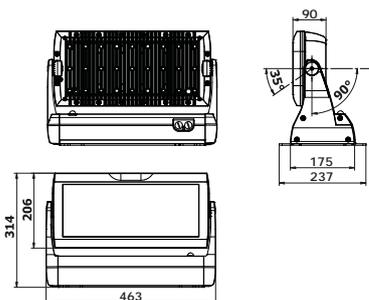


# Divine 60 UV™

The Divine 60 UV is a breakthrough in true UV illumination - a 180 Watt all-LED luminaire providing superb UV output levels at 365nm. Precision UV-stable components are housed in an IP67 rated casing with flexible mounting options enabling rapid installation, making it perfect for themed environments and events of all types. Built-in DMX and RDM control facilitates the accurate setting of light levels, and a wireless control option allows retro fitting into existing installations without needing additional control infrastructure. Perfectly suited for both indoor and outdoor environments, the Divine 60 UV is an ideal choice for theme parks, attractions, leisure facilities and entertainment events requiring a true UV 'black light' effect.

## TECHNICAL SPECIFICATION

- Light source type: 60 x 365nm UV LEDs
- LED life expectancy: min. 16.000 hours
- Typical lumen maintenance: 70% @ 16.000 hours
- Robe's proprietary optical design
- Beam angle: 38°
- 6 individually controllable LED zones
- Pre-programmed random strobe & pulse effects
- High resolution electronic dimming: 0 - 100%
- Setting & Addressing: 1-row LCD display
- Protocols: USITT DMX-512, RDM
- Wireless CRMX™ technology from Lumen Radio (on request)
- DMX Protocol modes: 3
- Control channels: 2, 3, 9
- Movement control: manual
- Dimmer: 16 bit
- Power supply: Electronic auto-ranging
- Input voltage range: 100-240 V, 50/60 Hz (CE)  
100-277 V, 50/60 Hz (US)
- Power consumption: 180W, 50/60 Hz
- Power in connector: with plug
- DMX and RDM data in/out: Locking 5-pin XLR
- Weight: 14.3 kg (31.5 lbs)
- IP: 67
- Rigging: Horizontally or vertically mounting position; Universal operating position
- Accessories: Top hat, Half top hat; Barndoor module; Gel frame; Anti-glare; Black Glass; Set of Rubber Feet; Single Top Loader Case
- Legal: Divine™ is a Trademark of Robe lighting s.r.o.  
Divine™ 60 UV is patented by Robe lighting s.r.o. and is protected by one or more pending or issued patents.



# Strobe IP™

Powerful strobe and super bright wash for outdoor exposures. The Strobe IP from Robe is the most sophisticated strobe-blinder effects unit on the market.

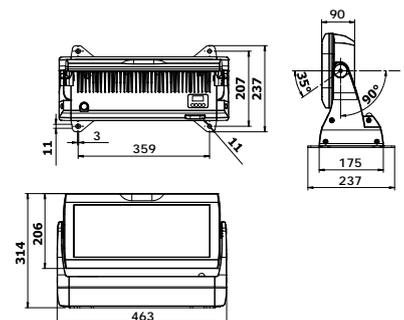
A high IP rating of 67 provides the reliability required for the most demanding projects, including permanent installations or temporary events. Ultimately controllable, super fast bursts of high-powered pulses can be adjusted in frequency, duration and intensity, optically harnessed from the 60x High Power LED chips.

Strobe IP is easy to rig and program using direct segment control or predefined macros. The compact size and weight of the Strobe IP combined with its adaptability make installation a smooth and streamlined process.



## TECHNICAL SPECIFICATION

- Light source type: 60 x High Power White LED chips
- LED life expectancy: min. 60.000 hours
- Typical lumen maintenance: 70% @ 60.000 hours
- CCT: 6.000K
- High efficient component optics
- Beam angle: 32° (1/2 beam), 60° (1/10 beam)
- 6 individually controllable LED zones
- Strobe duration: 13–860 ms
- Strobe rate: 0,3–30 Hz
- Strobe effect: Ramp up, ramp down, ramp up-down, random flash, single flash
- Individual zone strobe effect with variable speed
- High resolution electronic dimming: 0–100%
- Setting & Addressing: 4-segment LED display & 4 control buttons, stand-alone operation with 1 editable program up to 40 steps)
- Protocols: USITT DMX-512
- Wireless CRMX™ technology from Lumen Radio (on request)
- DMX Protocol modes: 4
- Control channels: 8, 14, 3, 4
- Dimmer: 8 or 16 bit (internal 18 bit)
- Movement control: manual
- Power consumption: 200W at 230V / 50Hz
- AC connection: power cable with plug
- DMX and RDM data in/out : Locking 5-pin XLR IP 67
- Weight: 14.3 kg (31.5 lbs)
- IP: 67
- Rigging: Universal operating position, Removable surface mount adaptor, C-clamp adaptor
- Accessories: Top hat, Half top hat, Barndoor module, C-clamp adaptor, Surface mount adaptor
- Legal: Strobe IP™ is a Trademark of Robe lighting s.r.o.  
Strobe IP™ is patented by Robe lighting s.r.o. and is protected by one or more pending or issued patents.





# ColorStrobe IP™

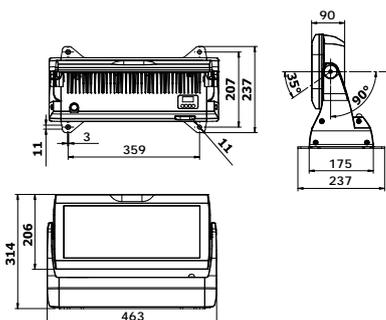
Powerful strobe in color for outdoor exposures. Add color into your outdoor blinding strobing sequences with the ColorStrobe IP to achieve dyed effects, white flashing with colorful backgrounds or continuous bright light output with colored animations.

Ultimately controllable, super fast bursts of high-powered pulses can be adjusted in frequency, duration and intensity, optically harnessed from the 60x High Power RGBW LED chips.

ColorStrobe IP is easy to rig and program, using direct segment control or predefined macros. A high IP rating of 67 provides the reliability required for the most demanding projects, including permanent installations or temporary events. The compact size and of the ColorStrobe IP combined with its adaptability make installation a smooth and streamlined process.

## TECHNICAL SPECIFICATION

- Light source type: 60x 15W RGBW LED multichips
- LED life expectancy: min. 40.000 hours
- Typical lumen maintenance: 70% @ 40.000 hours
- High efficient component optics
- Beam angle: 35° (at 1/2 beam), 63° (at 1/10 beam)
- Colour mixing mode RGBW or CMY
- 6 individually controllable LED zones
- Variable CTO: 2.700 –6.000 K
- Virtual Colour Wheel
- Tungsten lamp effect at whites: 2.700 K and 3.200 K (red shift and thermal delay)
- Strobe duration: 13–860 ms
- Strobe rate: 0,3–30 Hz
- Strobe effect: Ramp up, ramp down, ramp up-down, random flash, single flash
- Individual zone strobe effect with variable speed
- High resolution electronic dimming: 0–100%
- Setting & Addressing: 4-segment LED display & 4 control buttons, stand-alone operation with 1 editable program up to 40 steps)
- Protocols: USITT DMX-512, RDM
- Wireless CRMX™ technology from Lumen Radio (on request)
- DMX Protocol modes: 5
- Control channels: 9, 14, 18, 21, 42
- RGBW or CMY: 8 or 16 bit (internal 18 bit)
- Dimmer: 8 or 16 bit (internal 18 bit)
- Movement control: manual
- Power consumption: 440W at 230V / 50Hz
- AC connection: power cable with plug
- DMX and RDM data in/out: Locking 5-pin XLR IP 67
- Weight: 14.3 kg (31.5 lbs)
- IP: 67
- Rigging: Universal operating position; Removable surface mount adaptor; C-clamp adaptor
- Accessories: Top hat, Half top hat, Barndoor module, C-clamp adaptor, Surface mount adaptor
- Legal: ColorStrobe IP™ is a Trademark of Robe lighting s.r.o. ColorStrobe IP™ is patented by Robe lighting s.r.o. and is protected by one or more pending or issued patents.



# Strobe™ / Strobe Lite™

Power is everything!

The Strobe from Robe could not be anything but THE brightest, best value, most sophisticated strobe-blinder effects unit on the market. While the Strobe is controllable, configurable and arrayable into stacks of multiple units, the Strobe Lite is a single hanging fixture with reduced weight.

Super fast bursts of high powered pulses can be adjusted in frequency, duration and intensity, optically harnessed from the 120x High Power White LED chips. Easy to rig individually or in multiples and easy to program, using direct segment control or the pre-defined macros.

The Strobe has a splash proof housing and can be temporarily exposed to the rain when is used as a flood light or installed on the front truss.

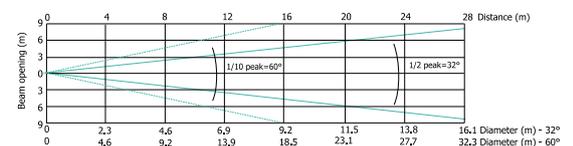


## TECHNICAL SPECIFICATION

- Light Source Type: 120x 7W White LED chips
- CCT: 6.000K
- LED Life Expectancy: minimum 60.000 hours
- Typical Lumen Maintenance: 70% @ 60.000 hours
- Beam angle: 32° (at 1/2 beam), 63° (at 1/10 beam)
- Individual control of 12 segments (3 lines and 4 column)
- Strobe duration: 13–860 ms
- Strobe rate: 0,3–30 Hz
- Blinder effect: Continuous full power operation with high resolution dimmer
- High Resolution Dimmer: 0–100 %
- Strobe effects: ramp up, ramp down, ramp up-down, random flash, single flash, microphone driven strobe effect
- Setting & Addressing: Robe Navigation System 2 (RNS2)
- Protocols: USITT DMX-512, RDM, Art-Net, MA Net, MA Net2, sACN
- Wireless CRMX™ technology from Lumen Radio (on request)
- Protocol modes: 4
- Control channels: 8, 20, 3, 4
- Programs: 3 editable programs up to 88 steps
- Display: QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC
- Ethernet Port: Art-Net protocol, ready for ACN
- Data in/out: Locking 5-pin XLR
- Manual tilt adjustment
- Power Consumption: 660W
- Power in: Neutric powerCON TRUE1
- Weight: Strobe - 14.3 kg (31.5 lbs)  
Strobe Lite - 11.4 kg (25.1 lbs)
- Rigging: Strobe - Mounting Points: one pairs of 1/4-turn locking points  
Multipoint segment locking for big truss instalations  
Omega Brackets: 1x Omega bracket with 1/4-turn quick locks  
Strobe Lite - Mounting Points: one pair of 1/4-turn locking points  
Omega Brackets: 1x Omega bracket with 1/4-turn
- Optional accessories: Strobe - Floor stands, Bandoor, Frame Adaptor, Gel Frame, Stacker  
Strobe Lite - Floor stands, Bandoor, Frame Adaptor, Gel Frame

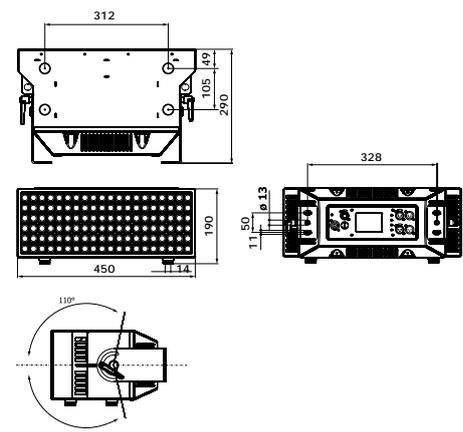
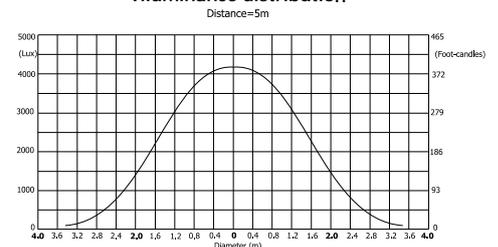


Without diffuser



| Distance (m) | 4        | 5        | 8        | 12     | 16     | 20     | 24     | 28     |   |
|--------------|----------|----------|----------|--------|--------|--------|--------|--------|---|
| White        | 6672/620 | 4270/397 | 1668/155 | 741/69 | 417/39 | 267/25 | 186/17 | 136/13 | Illuminance (center)<br>Lux/footcandles |

Illuminance distribution





# ColorStrobe™ /ColorStrobe Lite™

Power is everything, now in color!

Add colour into your blinding strobing sequences with the ColorStrobe to achieve dyed effects, white flashing with colourful backgrounds or continuous bright light output with colored animations. While the ColorStrobe is controllable, configurable and arrayable into stacks of multiple units, the ColorStrobe Lite is a single hanging fixture with reduced weight.

Super fast bursts of high powered pulses can be adjusted in frequency, duration and intensity, optically harnessed from the 120x High Power RGBW multichips.

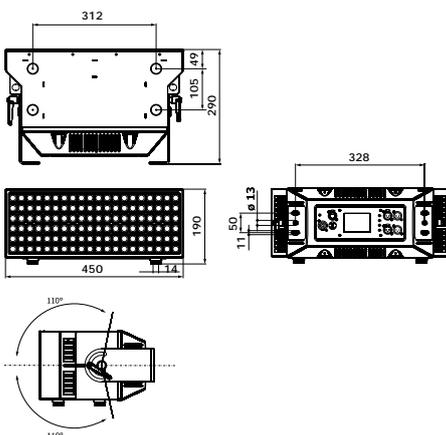
Easy to rig individually or in multiples and easy to program, using direct segment control or the pre-defined macros.

The ColorStrobe has a splash proof housing and can be temporarily exposed to the rain when is installed on the front truss or used as a foot light or wall washer.



## TECHNICAL SPECIFICATION

- Light Source Type: 120x 15W RGBW multichips
- LED Life Expectancy: Minimum 40.000 hours
- Typical Lumen Maintenance: 70% @ 40.000 hours
- Beam angle: 35° (at 1/2 beam), 63° (at 1/10 beam)
- Individual control: 12 segments (3 lines and 4 columns)
- Strobe duration: 13–860 ms
- Strobe rate: 0,3–30 Hz
- Colour Mixing System: RGBW or CMY colour mixing, CTO
- Virtual Colour Wheel: with 237 colours including whites (2.700 K, 3.200 K, 4.200 K, 5.600 K and 8.000 K)
- Tungsten Lamp Effects at Whites: 2.700 K and 3.200 K
- Colour changer effect: Continuous full power RGBW operation with high resolution dimmer
- Dimmer (Internal 18 bit): 8 or 16 bit
- Strobe effects: Ramp up, ramp down, ramp up-down, random flash, single flash, microphone driven strobe effect
- Setting & Addressing: Robe Navigation System 2 (RNS2)
- Protocols: USITT DMX-512, RDM, Art-Net, MA Net, MA Net2, sACN
- Wireless CRMXTM technology from Lumen Radio (on request)
- Protocol modes: 5
- Control channels: 9, 14, 18, 28, 84
- Programs: 3 editable programs up to 88 steps
- Display: QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC Ethernet Port: Art-Net protocol, ready for ACN
- Manual tilt adjustment
- Power Consumption: 1.300W
- Power Connector: Neutrik powerCON TRUE1
- Weight: ColorStrobe - 16.8 kg (37 lbs)  
Colorstrobe Lite - 13.4 kg (29.5 lbs)
- Rigging: ColorStrobe - Mounting Points: one pairs of ¼-turn locking points  
Multipoint segment locking for big truss instalations  
Omega Brackets: 1x Omega bracket with ¼-turn quick locks  
ColorStrobe Lite - Mounting Points: one pair of 1/4-turn locking points  
Omega Brackets: 1x Omega bracket with 1/4-turn
- Optional accessories: ColorStrobe - Floor stands, Bandoor, Frame Adaptor, Gel Frame, Stackter  
ColorStrobe Lite - Floor stands, Bandoor, Frame Adaptor Gel Frame



# CycBar 12™



Robin CycBar 12 is a lightweight static 1.000 mm linear strip for indoor use, which utilises 12 equally spaced superbright RGBW multichip LEDs.

The unit features smooth 18 bit colour mixing and linear dimming without RGB 'breakup' or grey shadows.

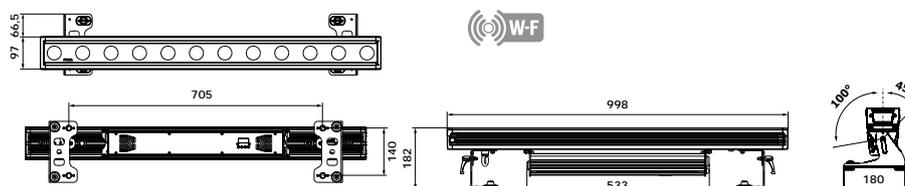
The fixed 7.5° beam angle can be reconfigured by the use of optional 35°x70° diffusers, which are included as a standard.

The on-board driver software provides the user with advanced pixel control, a virtual colour wheel of pre-programmed colours, a set of true whites with CTO Tungsten lamp emulation and more.

The highly readable screen displays a menu with practical personality settings, DMX and RDM protocols.

## TECHNICAL SPECIFICATION

- Light Source: 12x 10W RGBW LED multichips
- Led Life Expectancy: minimum 60.000 hours
- Typical Lumen Maintenance: 70% @ 60.000 hours
- Beam angle: 7.5° (without diffuser), diffuser 35°x70° included as standard
- Optional diffusers: 32°, 50°, 10°x30°, 30°x10°
- RGBW or CMY colour mixing
- Individual control of each RGBW pixel
- CTO filter
- Virtual colour wheel with pre-programmed 237 colours including whites (2.700 K, 3.200 K, 4.200 K, 5.600 K and 8.000 K)
- Tungsten lamp effect at whites 2.700 K and 3.200 K (red shift and thermal delay during dimming)
- Colour rainbow effect with variable speed
- Pre-programmed pixel effects with colour, dimming and strobe chases, waves and pulses at variable speed and directions
- High resolution dimmer 0–100%
- Strobe effect with variable speed (max.20 flashes per second)
- Mechanical Tilt Movement Range: 145°
- Protocol modes: 4, including SunStrip emulation mode (halogen strip)
- Control channels: 16, 11, 52, 64
- Setting & Addressing: two-row LCD display & 4 control buttons
- Protocols: USITT DMX-512, RDM
- Wireless CRMX™ technology from Lumen Radio (on request)
- 3-editable programs, each up to 40 steps
- Data in/out: Locking 5-pin XLR
- Power in/out: Neutrik powerCON TRUE1 In/out
- Power consumption: 180W at 230 V / 50 Hz
- Weight: 12.3 kg (27.12 lbs)
- Rigging: 2 mounting brackets; 1 x safety attachment point



# CycBar 15™

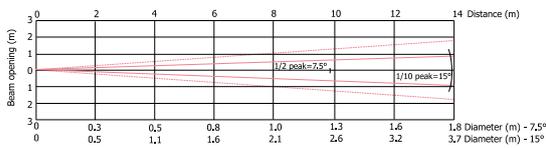


Robin CycBar 15 is a lightweight static 1000 mm linear strip which uses 15 equally spaced superbright RGBW multichip LEDs for enhanced 18 bit smooth colour mixing and linear dimming without RGB 'breakup' or grey shadows. Fixed but redefinable beam angle lenses of 7.4°, 21.2° and 34.6° are available allows use of optional diffusers.

Advanced pixel control based driver software provides special features like the virtual colour wheel with pre-programmed colours and a set of true whites with CTO Tungsten lamp emulation and more.

A practical and highly readable small display provides a menu with personality settings plus DMX and RDM protocols.

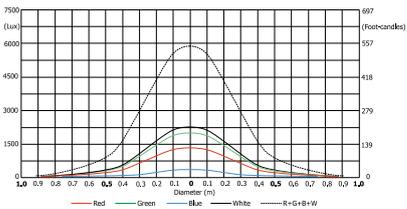
## Without diffuser



| Distance (m) | 2          | 4        | 5        | 6        | 8        | 10       | 12      | 14     |                                    |
|--------------|------------|----------|----------|----------|----------|----------|---------|--------|------------------------------------|
| Red          | 8125/75    | 2031/189 | 1300/121 | 903/84   | 597/47   | 325/30   | 225/21  | 166/15 |                                    |
| Green        | 12250/119  | 3062/285 | 1960/182 | 1362/127 | 766/71   | 490/46   | 340/32  | 250/23 | Intensity (corner Lux/Footcandles) |
| Blue         | 2000/186   | 500/47   | 320/30   | 222/21   | 125/12   | 80/7     | 56/5    | 41/4   |                                    |
| White        | 14186/1348 | 3547/330 | 2270/211 | 1576/147 | 887/82   | 568/53   | 394/36  | 290/27 |                                    |
| R+G+B+W      | 36870/363  | 9216/862 | 5940/546 | 4097/381 | 2302/214 | 1475/137 | 1024/92 | 752/70 |                                    |

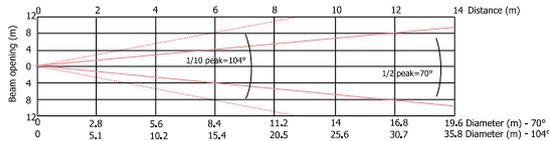
## Illuminance distribution

Distance=5m

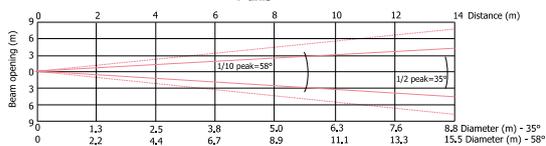


## Diffuser 35°x70° WallWasher

X-axis



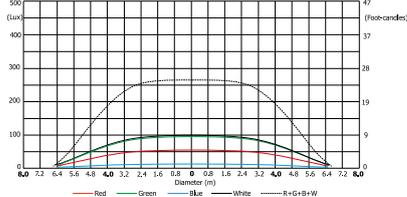
Y-axis



| Distance (m) | 2        | 4      | 5      | 6      | 8      | 10     | 12      | 14      |                                    |
|--------------|----------|--------|--------|--------|--------|--------|---------|---------|------------------------------------|
| Red          | 325/30   | 81/6   | 52/5   | 36/3.4 | 20/1.9 | 13/1.2 | 9/0.8   | 6.6/0.6 | Intensity (corner Lux/Footcandles) |
| Green        | 503/52   | 140/13 | 90/8   | 63/6   | 35/3   | 23/2   | 16/1.5  | 12/1.1  |                                    |
| Blue         | 749      | 132/12 | 151/14 | 101    | 60/5   | 40/3   | 30/2.7  | 21/2    |                                    |
| White        | 62/5/8   | 15/1/5 | 10/0/9 | 7/0/7  | 4/0/4  | 2/0/2  | 1/0/1.6 | 1/0/1.2 |                                    |
| R+G+B+W      | 1688/157 | 402/39 | 270/25 | 180/17 | 106/10 | 66/6   | 47/4.4  | 34/3    |                                    |

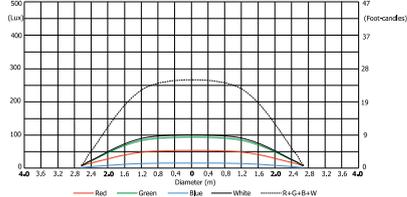
## Illuminance distribution in X-axis

Distance=5m



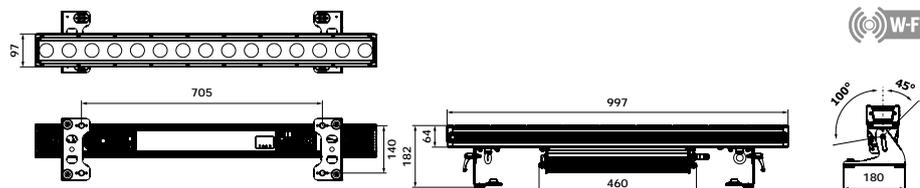
## Illuminance distribution in Y-axis

Distance=5m



## TECHNICAL SPECIFICATION

- Light Source: 15x 10W RGBW LED multichips
- Led Life Expectancy: minimum 60.000 hours
- Typical Lumen Maintenance: 70% @ 60.000 hours
- Beam angle: 7.5° (without diffuser), diffuser 35°x70° included as standard
- Optional diffusers: 32°, 50°, 10°x30°, 30°x10°, 70°x35°
- RGBW or CMY colour mixing
- Individual control of each RGBW pixel
- CTO filter
- Virtual colour wheel with pre-programmed 237 colours including whites (2.700 K, 3.200 K, 4.200 K, 5.600 K and 8.000 K)
- Tungsten lamp effect at whites 2.700 K and 3.200 K (red shift and thermal delay during dimming)
- Colour rainbow effect with variable speed
- Pre-programmed pixel effects with colour, dimming and strobe chases, waves and pulses at variable speed and directions
- High resolution dimmer 0-100%
- Strobe effect with variable speed (max.20 flashes per second)
- Mechanical Tilt Movement Range: 145°
- IP 65
- Protocol modes: 4, including SunStrip emulation mode (halogen strip)
- Control channels: 16, 11, 61, 76
- Setting & Addressing: two-row LCD display & 4 control buttons
- Protocols: USITT DMX-512, RDM
- Wireless CRMXTM technology from Lumen Radio (on request)
- 3-editable programs, each up to 40 steps
- Data in/out: Locking 5-pin XLR
- Power in/out: Neutrik powerCON
- Power consumption: 170W at 230 V / 50 Hz
- Weight: 11.2 kg (24.7 lbs)
- Rigging: 2 mounting brackets; 1 x safety attachment point



# CycFX 4™

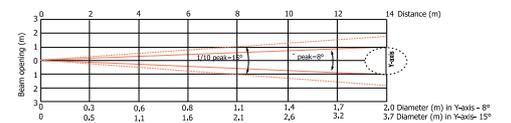
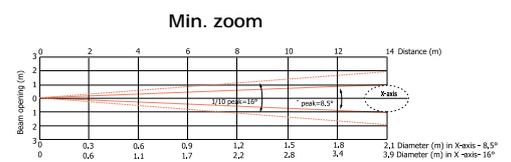
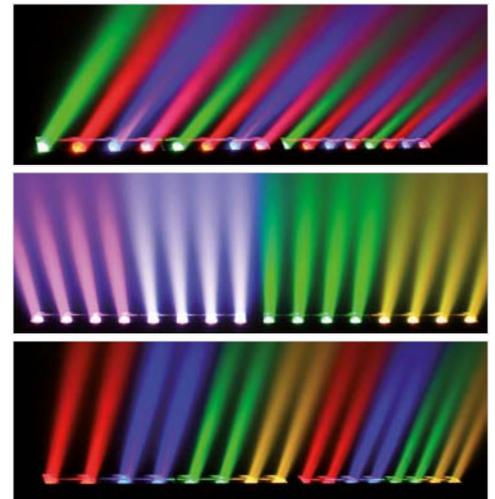
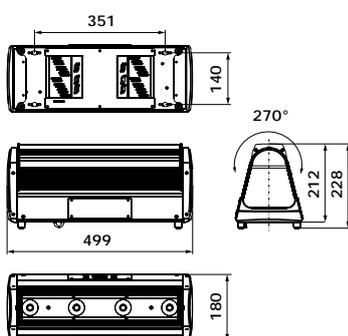


ROBIN® CycFX 4 continues the success story of CycFX 8. This time, the very wide zoom and fast tilt movement come on a 500 mm long strip. Four individually controlled 15W RGBW multichip LEDs in compact size and lightweight aluminum housing with 270 degree motorized tilt can be very precisely positioned, indexed or programmed to produce rapid sweeping movements of 8° beam, smoothed into wide 63° wash coverage or utilize [sun strip] tungsten effects.

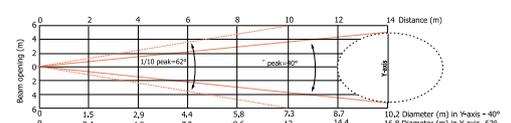
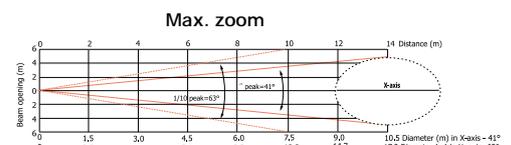
Pixel control possibilities allow pixel mapping while internal pre-programmed color macros make this fixture quick and easy to program even on a more traditional lighting desks. Tungsten lamp emulation and fade effects at 2.700 K and 3.200 K are included. Wireless technology CRMX is available as an option.

## TECHNICAL SPECIFICATION

- 4x 15W RGBW LED multichips
- LED Life Expectancy: minimum 60.000 hours
- Typical Lumen Maintenance: 70% @ 60.000 hours
- Linear motorized zoom: 8.5° – 63°
- Colour Mixing System: RGBW, CTO
- Individual control of each RGBW pixel
- Virtual Colour Wheel: with pre-programmed 237 colours including whites (2.700 K, 3.200 K, 4.200 K, 5.600 K and 8.000 K)
- Tungsten Lamp Effects at Whites: 2.700 K and 3.200 K (red shift and thermal delay during dimming)
- High Resolution Dimmer: 0–100%
- Strobe effect with variable speed (max.20 flashes per second)
- Preprogramed random strobe & pulse effects
- Power Connector: Neutrik powerCON
- Tilt movement range: 270°
- Setting & Addressing: two-row LCD display & 4 control buttons
- Protocols: USITT DMX-512, RDM
- Wireless: optional CRMX™ technology from Lumen Radio available
- Protocol modes: 4
- Control channels: 14, 21, 33, 37
- One editable program up to 42 steps
- Data in/out: Locking 3-pin & 5-pin XLR
- Mounting Points: 2 pairs of 1-turn locking points +2x Omega bracket with 1-turn quick locks
- Weight: 6.8 kg (15 lbs)



| Distance (m) | 2          | 4        | 5        | 6        | 8      | 10     | 12     | 14     |                    |
|--------------|------------|----------|----------|----------|--------|--------|--------|--------|--------------------|
| Red          | 2000/188   | 500/97   | 320/38   | 222/21   | 125/12 | 88/7   | 56/5   | 41/4   |                    |
| Green        | 3938/366   | 984/92   | 630/59   | 438/41   | 246/23 | 158/15 | 109/10 | 80/8   | Intensity (center) |
| Blue         | 531/49     | 133/12   | 85/8     | 59/5     | 33/3   | 21/2   | 15/1.4 | 11/1   | Low/Peak/Standby   |
| White        | 4969/462   | 1242/115 | 795/74   | 552/51   | 310/29 | 199/19 | 138/12 | 101/9  |                    |
| R+G+B+W      | 11125/1034 | 2781/258 | 1780/165 | 1236/115 | 695/65 | 445/41 | 309/29 | 227/21 |                    |



| Distance (m) | 2      | 4      | 5      | 6      | 8      | 10     | 12     | 14     |                    |
|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------------------|
| Red          | 96/9   | 232/22 | 151/14 | 107/10 | 67/5   | 47/3   | 37/2   | 26/2   |                    |
| Green        | 163/15 | 414    | 267/4  | 181/17 | 109/9  | 77/6   | 58/4   | 40/3   | Intensity (center) |
| Blue         | 252/3  | 67/6   | 43/4   | 30/3   | 16/1.1 | 10/1   | 7/1    | 5/0.8  | Low/Peak/Standby   |
| White        | 225/21 | 56/5   | 36/3.2 | 25/2.3 | 14/1.3 | 9/0.8  | 6/0.6  | 4/0.4  |                    |
| R+G+B+W      | 466/44 | 117/11 | 75/7   | 52/5   | 29/2.7 | 19/1.7 | 13/1.2 | 10/0.9 |                    |



# CycFX 8™

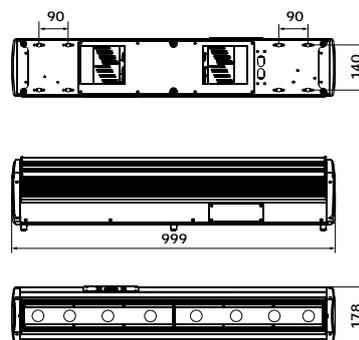
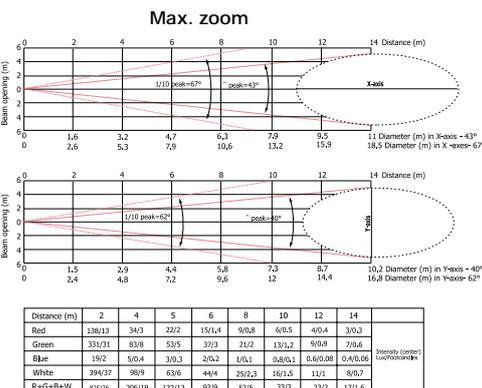
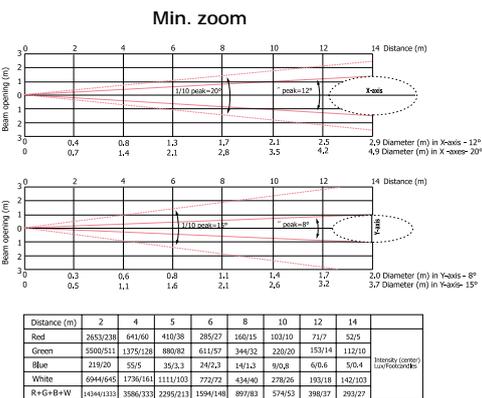
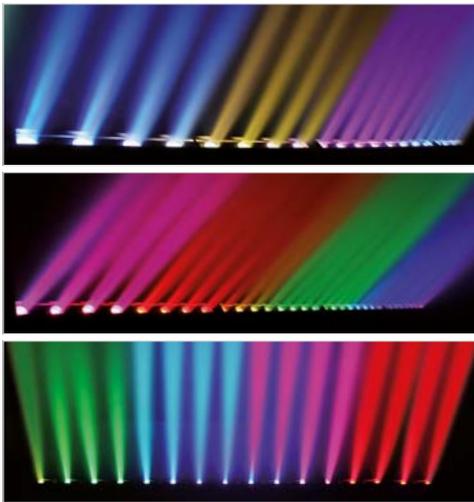


All the amazing features and performance of the award winning Robe LEDWash luminaires in a 1000 mm moving linear strip. 8 individually controlled 15W RGBW LED modules equally spaced along the strip with fully adjustable zoom from 12–67 degrees. The strip itself has a very fast 270 degree tilt movement which can be precision indexed or programmed to produce rapid sweeping movements.

Pre-programmed colour macros and pixel control makes this fixture quick and easy to program. Tungsten lamp emulation and fade effects at 2.700 K and 3.200 K are included. Wireless technology CRMX is available as an option.

## TECHNICAL SPECIFICATION

- 8x 15W RGBW LED multichips
- LED Life Expectancy: minimum 60.000 hours
- Typical Lumen Maintenance: 70% @ 60.000 hours
- Linear motorized zoom: 12°– 67°
- RGBW or CMY colour mixing, CTO
- Individual control of each RGBW pixel
- Virtual colour wheel with 237 colours including whites (2.700 K, 3.200 K, 4.200 K, 5.600 K and 8.000 K)
- Tungsten lamp effect at whites 2.700 K and 3.200 K (red shift and thermal delay during dimming)
- Colour rainbow effect with variable speed
- Pre-programmed pixel effects with colour, dimming and strobe chases, waves and pulses at variable speed and directions
- High resolution dimmer 0–100%
- Strobe effect with variable speed (max.20 flashes per second)
- Tilt movement range: 270°
- Protocol modes: 6
- Control channels: 14, 21, 45, 53, 22, 53, 61
- One editable program up to 42 steps
- Data in/out: Locking 3-pin & 5-pin XLR
- Power in/out: Neutrik powerCON
- Setting & Addressing via two-row LCD display & 4 control buttons
- Communication protocols: USITT DMX-512, RDM
- Optional wireless version available: CRMX™ technology from Lumen Radio
- Electronic auto ranging power supply, 100–240 V AC, 50–60 Hz
- Rigging: 6 pairs of 1/4-turn locking points +2x Diagonal omega bracket with 1/4-turn quick locks
- Weight: 12 kg (26.5 lbs)



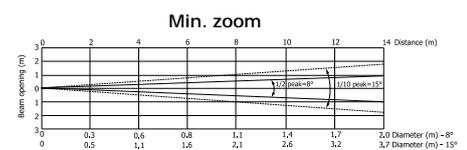
# 1200 LEDWash™

The super-slim ROBIN® 1200 LEDWash features 61 RGBW multichip LEDs with colour output ranging from gentle pastels to the richest saturation. Arranged in 4 concentric rings these LEDs offer unique possibilities for creating stunning colour and pattern audience blinding and eye candy effects as well as for providing comprehensive and perfectly even wash coverage.

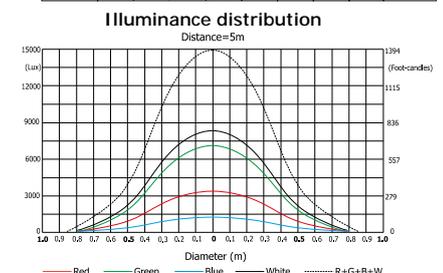
This system sets the LEDWash 1200 ahead of any other LED wash light products, making it a truly 'multi-purpose' unit, also equipped with extremely versatile 8 – 63 degree motorized zoom, powerful fast strobing and pre-programmed strobe and pulse effects at all zones (rings) or individually controllable per each zone.

## TECHNICAL SPECIFICATION

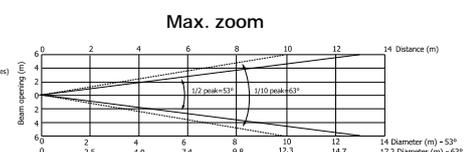
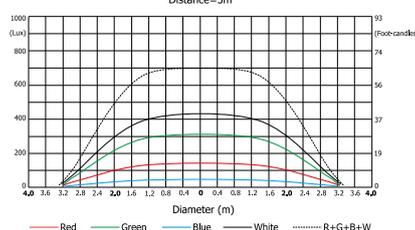
- 61x RGBW LED multichips
- Led Life Expectancy: minimum 60.000 hours
- Typical Lumen Maintenance: 70% @ 60.000 hours
- Linear motorized zoom: 8° – 63°
- RGBW/CMY, 8-bit or 16-bit colour mixing
- Virtual colour wheel with 237 colours including whites (2.700 K, 3.200 K, 4.200 K, 5.600 K and 8.000 K)
- 4 LED rings, individual colour control of each LED ring
- Tungsten lamp effect at whites 2.700 K and 3.200 K
- High resolution dimmer 0–100%
- Strobe effect with variable speed
- LED zone strobe effects with variable speed
- Protocol modes: 6
- Control channels: 45, 21, 15, 10, 45, 37
- 3-editable programs, each up to 100 steps
- Ethernet port: Art-Net protocol, ready for ACN
- Data in/out: Locking 3-pin & 5-pin XLR
- RNS2 - Robe Navigation System with LCD touchscreen and battery backup, gravitation sensor for auto screen positioning and operation memory service log with RTC
- Communication protocols: USITT DMX-512, Art-Net, MA Net, MA Net2, RDM
- Wireless CRMX™ technology from Lumen Radio included as standard accessory
- Input voltage: 100–250 V AC, 50/60 Hz
- Power consumption: Typical consumption: 550W (2 LED colors @ all rings)  
Max. consumption: 650W (4 LED colors @ all rings)
- Pan and Tilt movement range: 450°/300°; 16 bit resolution
- Mounting points: 2 pairs of ¼-turn locking points



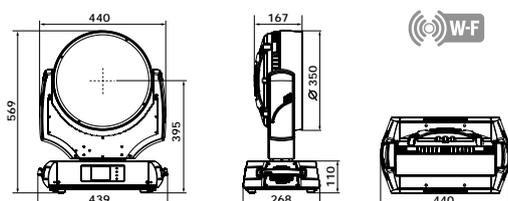
| Distance (m) | 2         | 4         | 5          | 6         | 8        | 10        | 12       | 14       |                                      |
|--------------|-----------|-----------|------------|-----------|----------|-----------|----------|----------|--------------------------------------|
| Red          | 20250/181 | 5062/470  | 3240/301   | 2250/209  | 1266/118 | 810/75    | 563/52   | 413/38   | Intensity (center)<br>Lux/footcandle |
| Green        | 4062/403  | 1115/102  | 705/655    | 485/455   | 275/256  | 176/164   | 122/114  | 89/84    |                                      |
| Blue         | 5625/523  | 1406/131  | 900/84     | 625/58    | 352/33   | 225/21    | 156/15   | 115/11   |                                      |
| White        | 10187/961 | 2547/1165 | 8030/746   | 5576/518  | 3137/291 | 12007/187 | 1394/130 | 980/91   |                                      |
| R+G+B+W      | 14750/885 | 2281/2201 | 15500/1394 | 10528/978 | 5922/550 | 3790/352  | 2632/245 | 1934/180 |                                      |



**Illuminance distribution**  
Distance=5m



| Distance (m) | 2        | 4        | 5      | 6      | 8      | 10     | 12     | 14     |                                      |
|--------------|----------|----------|--------|--------|--------|--------|--------|--------|--------------------------------------|
| Red          | 875/81   | 219/20   | 140/13 | 97/9   | 58/5   | 35/3   | 24/2   | 18/1,7 | Intensity (center)<br>Lux/footcandle |
| Green        | 1938/180 | 484/45   | 310/29 | 215/20 | 121/11 | 78/7   | 54/5   | 40/4   |                                      |
| Blue         | 3212/291 | 787/77   | 505/5  | 353/3  | 202/2  | 131/1  | 90/7   | 68/5   |                                      |
| White        | 2688/258 | 672/62   | 430/40 | 298/28 | 168/16 | 108/10 | 75/7   | 55/5   |                                      |
| R+G+B+W      | 4375/406 | 1094/102 | 700/65 | 486/45 | 273/25 | 175/16 | 122/11 | 89/8   |                                      |



# 800 LEDWash™

The enhanced ROBIN 800 LED Wash brings Robe's patented system for seamless, even and smooth zoom and output of RGBW multichip LED technology a step further. Brighter LED chips and a removable beam shaper module with motorized rotation creates the perfect combination for professional theatre, TV and other professional applications. The fixture has an incredibly wide zoom range starting at 8 degrees and going up to 63 degrees.

Many enhanced features include quiet zoom operation, Beam/Wash zoom mode, virtual colour wheel with calibrated whites, RGBW/CMY colour mixing and more.

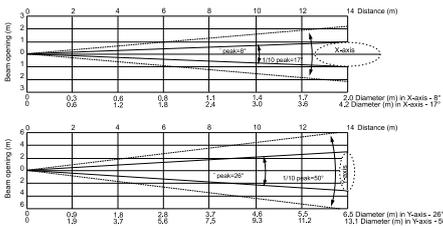
The touch screen navigation display supports many controlling protocols, status data logging, software updates and other features which are standard in the Robe ROBIN series.

## TECHNICAL SPECIFICATION

- 37x 15W RGBW multichips
- Led life expectancy: > 60.000 hours
- Typical lumen maintenance: 70% @ 60.000 hours
- Linear motorized zoom: 8°– 63° (without beam shaper module)
- RGBW or CMY colour mixing +variable CTO
- Virtual wheel with pre-programmed 237 colours plus whites (2.700 K, 3.200 K, 4.200 K, 5.600 K and 8.000 K)
- Tungsten lamp effect at whites 2.700 K and 3.200 K
- 3 individually controllable LED rings
- Removable remote beam shaper with continuous motorized rotation (patent pending)
- Beam shaper: asimetrical beam 8° x 26° @ min. zoom
- High resolution dimmer 0–100 %
- Strobe effect with variable speed
- Pre-programmed random strobe & pulse effects
- Pan and Tilt movement range: 450°/300°
- Protocol modes: 6
- Control channels: 38, 22, 16, 11, 38, 37
- 3 user defined programs, each up to 100 steps
- Ethernet port: Art-Net protocol, ready for ACN
- Data in/out: Locking 3-pin & 5-pin XLR
- User Interface: Colour Touch Screen: ROBE Navigation System 2 (RNS2)
- Communication protocols: USITT DMX-512, Art-Net, MA Net, MA Net2, RDM
- Wireless connection as a standard: CRMX™ technology from Lumen Radio
- Supply Input: 100–240 V AC, 50–60 Hz auto ranging
- Rigging: 2x Omega brackets (included) with ¼-turn quick locks
- Optional accessories: Beam shaper module 19°x 35°

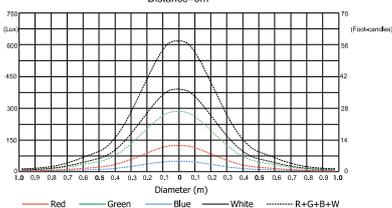


Beam shaper @ min. zoom

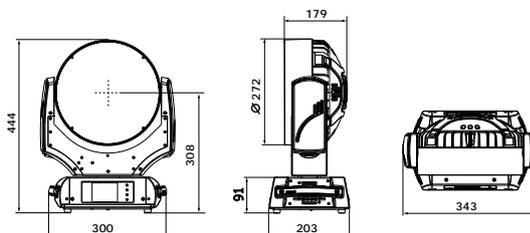
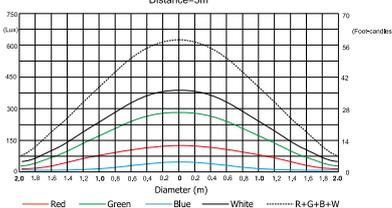


| Distance (m) | 2       | 4     | 6     | 8     | 10    | 12    | 14    |
|--------------|---------|-------|-------|-------|-------|-------|-------|
| Red          | 54470   | 21920 | 945   | 535   | 343   | 232   | 174.6 |
| Green        | 181318  | 45342 | 20119 | 11311 | 738.7 | 504.7 | 375.4 |
| Blue         | 25023   | 636   | 282.6 | 161.5 | 100.9 | 76.6  | 57.3  |
| White        | 2375221 | 59455 | 26425 | 14814 | 959   | 665   | 494.5 |
| R+G+B+W      | 3875360 | 96900 | 43042 | 24223 | 15514 | 10610 | 797   |

Luminance distribution X-axis Distance=5m



Luminance distribution Y-axis Distance=5m



# 100 LEDBeam™

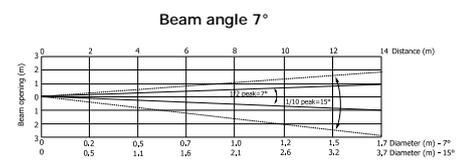
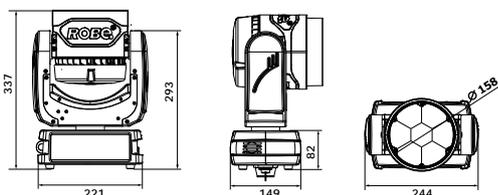
Robe's super fast ROBIN® LED Beam 100 is the ultimate effects lighting tool. A highly optimized motorised control produces speedy pan and tilt movement, three LED zones allow the creation of various colour chases, and the extra punchy 7 degree beam angle can be amplified with fast strobing.

Simplified control via pre-programmed of colours, colour chases and effects on a virtual colour wheel and various strobing and pulsing effects allow quick and easy programming.

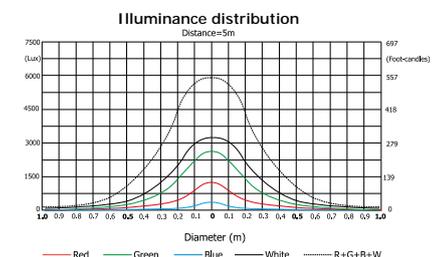


## TECHNICAL SPECIFICATION

- 12x 15W RGBW LED multichips
- Led Life Expectancy: minimum 60.000 hours
- Typical Lumen Maintenance: 70 % @ 60.000 hours
- Beam angle: 7°
- RGBW or CMY colour mixing, CTO
- Virtual colour wheel with 237 colours including whites (2.700 K, 3.200 K, 4.200 K, 5.600 K and 8.000 K)
- Tungsten lamp effect at whites 2.700 K and 3.200 K
- Three LED zones, individual color control of each LED zones
- High resolution dimmer 0–100 %
- Strobe effect with variable speed
- LED zone strobe effects with variable speed
- Pan and Tilt movement range: 450°/300°
- Protocol modes: 6
- Control channels: 35, 19, 14, 9, 35, 37
- 3-editable programs, each up to 25 steps
- Data in/out: Locking 5-pin XLR
- Two-line LCD display & 4 push buttons
- Communication protocols: USITT DMX-512, RDM
- Wireless CRMX™ technology from Lumen Radio included as optional accessory
- Electronic auto ranging power supply, 100–240 V AC, 50–60 Hz
- Rigging: one pair of 1/4-turn locking points  
+1x Omega bracket with ¼-turn quick locks
- Optional accessories: top hat, diffusion filters 40° and 25°, wireless DMX module



| Distance (m) | 2          | 4        | 5        | 6        | 8        | 10       | 12      | 14     |   |
|--------------|------------|----------|----------|----------|----------|----------|---------|--------|---|
| Red          | 7125/662   | 1781/166 | 1140/106 | 792/74   | 445/41   | 285/27   | 198/18  | 145/14 | Intensity<br>(cd/m²)<br>Lux/Footcandles |
| Green        | 15188/1411 | 3797/353 | 2430/226 | 1688/157 | 949/88   | 608/56   | 422/39  | 310/29 |   |
| Blue         | 2800/186   | 500/47   | 320/30   | 222/21   | 125/12   | 80/7     | 56/5    | 41/4   |   |
| White        | 2012/1079  | 5031/467 | 3220/299 | 2230/208 | 1250/117 | 805/75   | 539/52  | 411/38 |   |
| R+G+B+W      | 21520/296  | 9312/868 | 5960/554 | 4139/385 | 2520/216 | 1490/138 | 1025/96 | 760/71 |   |



# 150 LEDBeam™

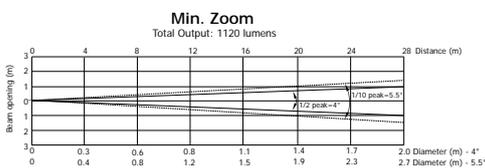
The best things come in small packages, now with zoom included. ROBIN® LEDBeam 150 is the answer with fast sweeping beams and a wide far-reaching quality wash in compact housing.

Attractive colorful chases and smooth transitions are powered by a cluster of high power multichip 30W RGBW LEDs. The spectacular zoom range of 4° to 62° uses an eminent custom-designed optical system. A highly optimized motorised control produces speedy pan and tilt movement. Besides intense strobing capabilities, the LEDBeam 150 also offers gentle 18-bit dimming, including Tungsten lamp effects. Simplified control via pre-programmed colors on a virtual color wheel and various strobing and pulsing effects allows quick and easy programming.



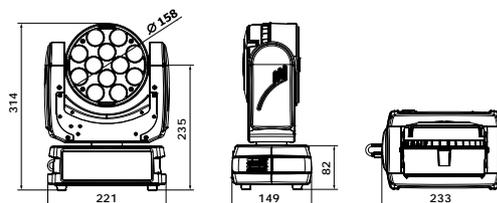
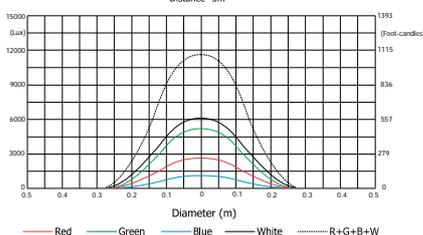
## TECHNICAL SPECIFICATION

- Light source type: 7x 30W RGBW multichips
- LED life expectancy: min. 20.000 hours
- Typical lumen maintenance: 70% @ 20.000 hours
- Robe's proprietary optical design
- High - efficiency zoom optical system, ratio 15,5:1
- Zoom range: 3.8° – 62°
- Fixture total lumen output: 2.900 lm
- Light output: 11.600lx @ 5m
- Colour mixing mode RGBW or CMY
- Variable CTO: 2.700K–8.000K
- Virtual Colour Wheel: with 66 preset swatches
- Tungsten lamp effect at whites : 2.700 K and 3.200 K (red shift and thermal delay)
- Pre-programmed random strobe & pulse effects
- High resolution electronic dimming: 0–100%
- Setting & Addressing: two-row LCD display & 4 control buttons, stand-alone operation with 3 editable programs (each up to 25 steps)
- Protocols: USITT DMX–512, RDM
- Wireless CRMX™ technology from Lumen Radio (on request)
- DMX Protocol modes: 2
- Control channels: 22, 16
- Pan/Tilt resolution: 8 or 16 bit
- RGBW or CMY: 8 or 16 bit
- Zoom: 8 or 16 bit
- Dimmer: 8 or 16 bit (internal 18 bit)
- Pan movement: 450°
- Tilt movement: 228°
- Power consumption: Max. 220W
- Power in/out connector: Neutrik powerCON in/out
- DMX and RDM data in/out: Locking 5-pin XLR
- Weight: 5.7 kg (12.6 lbs)
- Rigging: Mounting points with 1 pair of ¼-turn locking points, 1x Omega adaptor with ¼-turn quick locks, Universal operating position, Safety cable attachment point
- Accessories: Wireless DMX external module, EggCrate, Line cords powerCON In, Line cords powerCON In/Out, Safety Wire Single Top Loader Case, Quad Top Loader Case, Eight-pack Top loader case
- Legal: LEDBeam 150™ is a Trademark of Robe lighting s.r.o. LEDBeam 150™ is patented by Robe lighting s.r.o. and is protected by one or more pending or issued patents



| Distance (m) | 4          | 5          | 8        | 12       | 16       | 20     | 24     | 28     |                                 |
|--------------|------------|------------|----------|----------|----------|--------|--------|--------|---------------------------------|
| Red          | 3938/366   | 2520/234   | 984/92   | 438/41   | 246/23   | 157/15 | 109/10 | 80/8   | Intensity (center) and (radius) |
| Green        | 5020/466   | 3020/282   | 1060/102 | 472/41   | 264/24   | 168/16 | 118/11 | 88/8   |                                 |
| Blue         | 1867/157   | 1080/100   | 422/39   | 187/17   | 105/10   | 68/6   | 47/4   | 34/3   |                                 |
| White        | 942/875    | 603/560    | 235/219  | 104/97   | 58/55    | 37/35  | 26/218 | 19/18  |                                 |
| R+G+B+W      | 18125/1684 | 11600/1071 | 4531/421 | 2033/187 | 1132/105 | 725/67 | 503/47 | 370/34 |                                 |

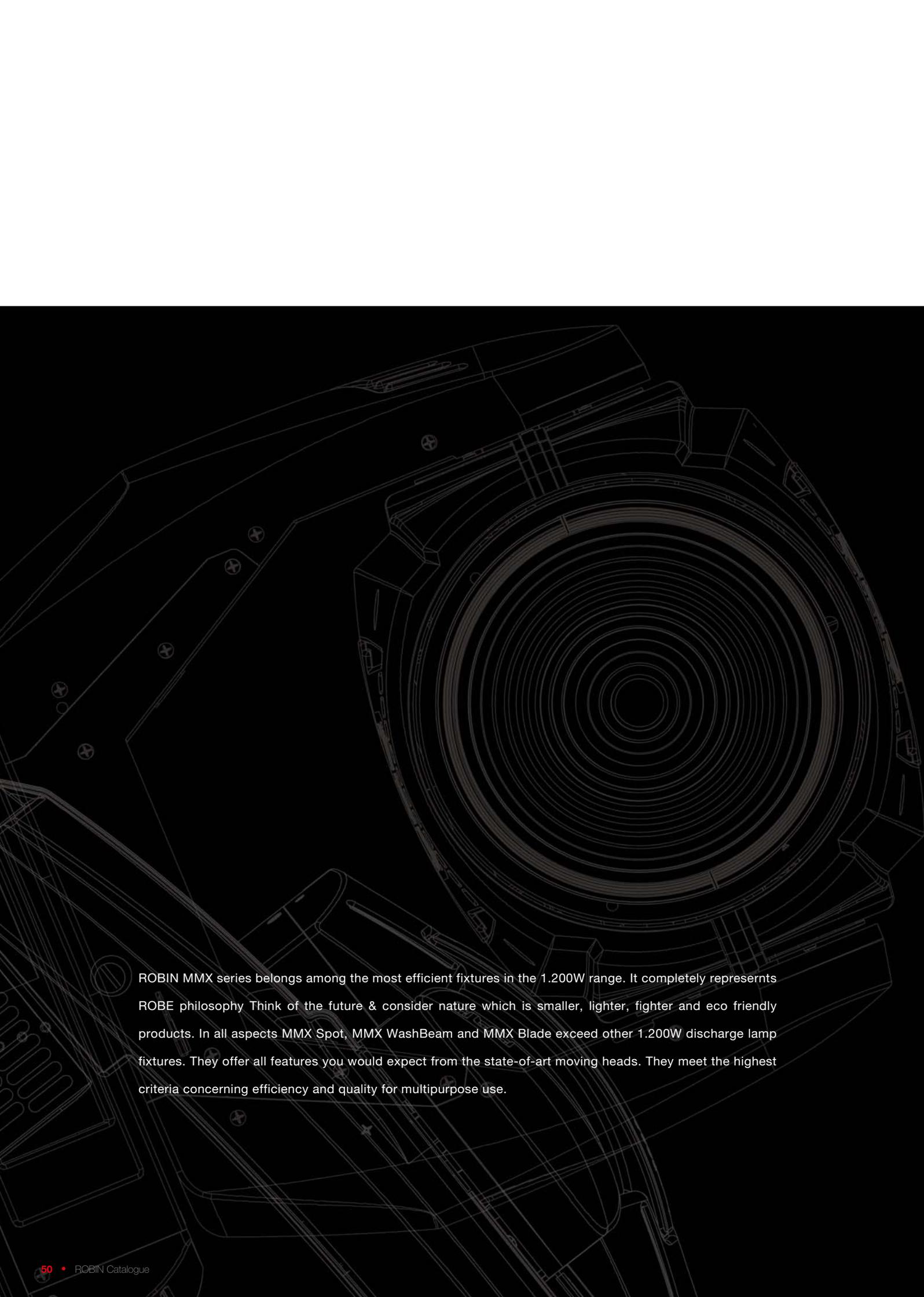
**Illuminance distribution**  
Distance=5m



# ROBIN®

## MMX SERIES





ROBIN MMX series belongs among the most efficient fixtures in the 1.200W range. It completely represents ROBE philosophy Think of the future & consider nature which is smaller, lighter, tighter and eco friendly products. In all aspects MMX Spot, MMX WashBeam and MMX Blade exceed other 1.200W discharge lamp fixtures. They offer all features you would expect from the state-of-art moving heads. They meet the highest criteria concerning efficiency and quality for multipurpose use.

# MMX WashBeam™

Encompassing all the new technologies developed for the MMX Spot, the WashBeam provides the lighting designer with a huge range of features and effects in a single fixture. The Phillips Platinum 35 light source together with the Robe MMX optical system, produces a light output exceeding most traditional 1.200W products. A unique internal automated 'Barn door' assembly makes this the ultimate controllable Wash luminaire.

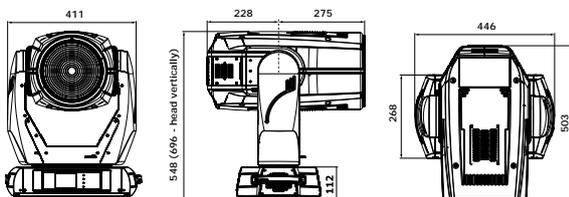
Each 'door' individually positionable to control the light edge, with the complete assembly rotating through 180 degrees - just as a conventional lantern.

With the change of a lens, the WashBeam switches from a super-flat, even wash - extendable out to 54 degrees into a tight 3 degree Beam effect machine - both options retaining all the key performance features of the MMX family - including full CMY colour mixing, saturated colour wheel, variable CTO, variable Hot-Spot control, motorised Zoom & Focus and Rotating indexable glass gobos - all adding up to a real advantage over other existing Beam products.

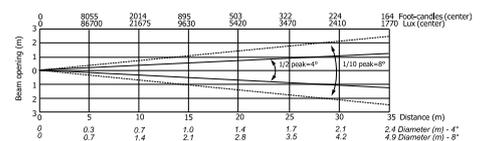


## TECHNICAL SPECIFICATION

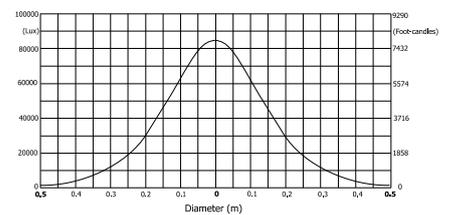
- Light Source: Philips MSR Platinum 35, 1.200 W equivalent
- Zoom range Beam application: 3°–65°
- Zoom range Wash application: 4°–54°
- CMY+CTO dichroic colour flag system for smooth and fast colour mixing
- Colour wheel with 6 dichroic filters + white
- Rotating Gobo wheel: 7 rotating, indexable, replaceable "SLOT & LOCK" glass gobos + open + beam reducer
- Beam Shaper – individual position control of 4 'doors' and +/- 90° module rotation (Patent Pending)
- Remote Beam flatness/ Hot spot control (Patent Pending)
- Dimmer/Shutter: Full range dimming, variable strobe effect,
- Electronic strobbing "ZAP" effect
- Pre-programmed random strobe & pulse effects
- Motorized zoom and focus
- Pan and Tilt movement range: 540°/270°
- Protocol modes: 3
- Control channels: 34, 29, 27
- 3 user defined programs, each up to 100 steps
- Ethernet port: Art-Net protocol, ready for ACN
- Data in/out: Locking 3-pin & 5-pin XLR
- User Interface: Colour Touch Screen: ROBE Navigation System 2 (RNS2)
- Communication protocols: USITT DMX-512, Art-Net, MA Net, MA Net2, RDM
- Wireless CRMX™ technology from Lumen Radio included as optional accessory
- Supply Input: 100–240 V AC, 50–60 Hz auto ranging
- Rigging: 2x Omega brackets (included) with ¼-turn quick locks



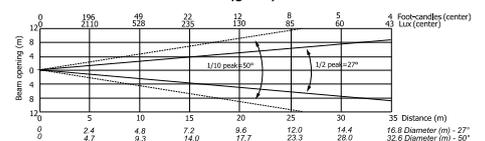
Wash mode - Min. zoom  
Fresnel lens (glass)



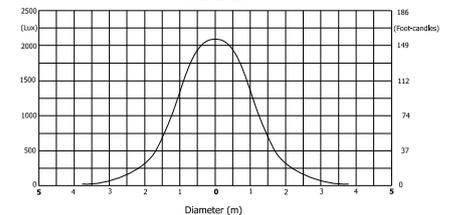
Illuminance distribution  
Distance=5m



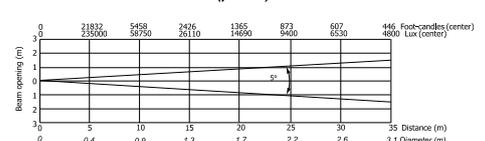
Wash mode - Max. zoom  
Fresnel lens (glass)



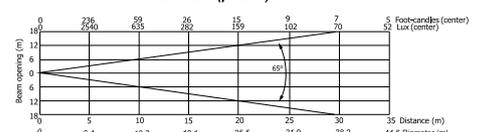
Illuminance distribution  
Distance=5m



Beam mode - Min. zoom  
Beam lens (plastic)



Beam mode - Max. zoom  
Beam lens (plastic)



# MMX Blade™

The ROBIN® MMX Blade is based on the new technology MMX discharge fixture, comparable output to 1.200W luminaires; the MMX Blade adds a framing shutter system into the optical path.

Four fast, smooth moving, shutter blades are individually angled and positioned within a frame which itself can rotate through 90 degrees. As well as providing a sharp or soft frame for the projected image, with repeatable precision, the system produces a new series of fast moving in-air effects through pre-programmed blade shape and movement sequences.

The MMX Blade includes many of the innovative features of the MMX including the Robe exclusive Hot-Spot lamp control feature that allows remote adjustment of flat beam uniformity or power beam hot-spot.

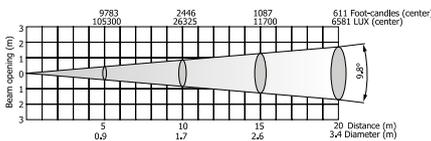
## TECHNICAL SPECIFICATION

- Light source: Philips MSR Platinum 35, 1.200W equivalent
- Fixture total lumen output: 26.141 lm
- Zoom range: 8.5° – 45.5° (8.5° – 41.5° for gobo, 9.8° – 45.5° for open hole)
- Rotating Gobo wheel with 7 rotating, indexable and replaceable "SLOT&LOCK" glass gobos + open
- Aluminium animation wheel - rotating in both directions, variable speed
- Colour wheel: 6 dichroic filters + white
- Framing shutters: 4 individually positionable blades with +-45° rotation of the complete framing system
- Hot-spot control: Hot-or-not-spot
- Iris: Motorized, stepless, pulse effects up to 3 Hz
- Prism: 5-facet prism rotating in both directions at different speeds
- Frost effect: separate, variable
- Dimmer/Shutter: full range dimming and variable strobe effect, Electronic strobbing "ZAP" effect
- Motorized zoom and focus
- Setting & Addressing: ROBE Navigation System 2 (RNS2)
- Protocols: USITT DMX-512, RDM, Art-Net, MA Net, MA Net2
- Optional wireless version available: CRMX™ technology from Lumen Radio
- Protocol modes: 3
- Control channels: 45, 39, 37
- Data in/out: Locking 3-pin & 5-pin XLR
- Power in: Neutrik powerCON
- Built-in analyser for easy fault finding

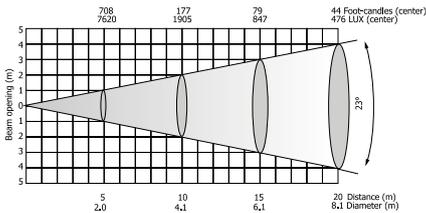


Lamp: MSR Platinum 35  
Beam angles are measured at free hole

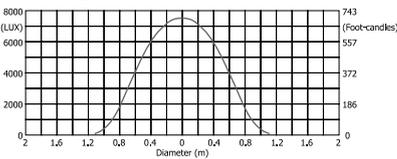
### Beam angle 9.8° - Min. zoom



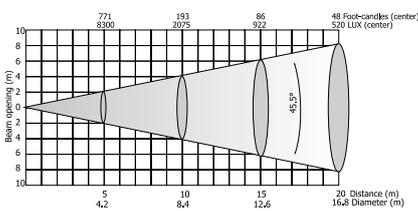
### Beam angle 9.8° with frost



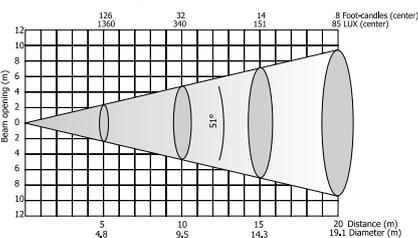
### Beam angle 9.8° with frost, distance = 5m



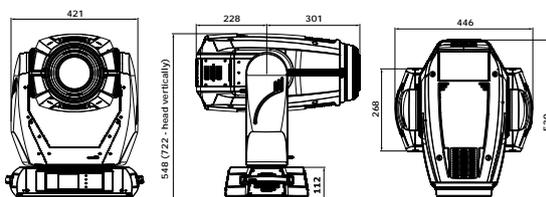
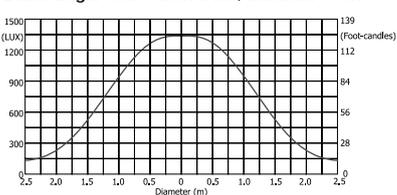
### Beam angle 45.5° - Max. zoom



### Beam angle 45.5° with frost



### Beam angle 45.5° with frost, distance = 5m



# MMX Spot™

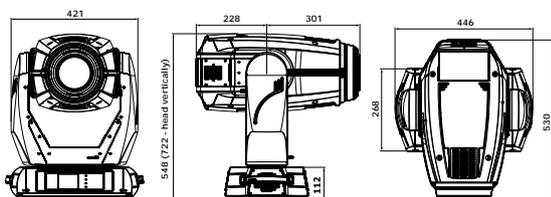
The ROBIN® MMX Spot provides a very powerful output of 1.200 W fixture required for full utilization of unique animating capabilities of two rotating gobo wheels, dual graphic wheel and rotating prism. This "king of animation" is a unique combination of extreme power of the new Philips MSR Platinum 35 lamp, quietness of internal components and specially designed cooling system.

The design is packed full of features including HotSpot control, fast Iris, CMY+CTO, variable frost and other effects that allow easy customization via "SLOT&LOCK" system. Electronic auto-ranging ballast and power supplies ensure easy global installations, touring and cross renting.



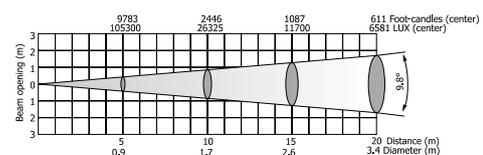
## TECHNICAL SPECIFICATION

- NEW Philips MSR Platinum 35, 1.200 W equivalent
- RNS2 - Innovated Robe Navigation System with LCD touch screen and battery backup, gravitation sensor for auto screen positioning and operation memory service log with RTC
- Linear motorized zoom 8.5° - 46.5° (8.5-42.5° for gobo, 9.8°-46.5° for open hole)
- CMY+CTO dichroic colour flag system - for smooth and fast colour mixing
- Colour wheel with 6 dichroic filters+ white
- Rotating gobo wheel 1 with 7+1 user replaceable "SLOT&LOCK" gobos
- Rotating gobo wheel 2 with 7+1 user replaceable "SLOT&LOCK" gobos
- NEW Dual Graphic Wheel (Patent Pending)
- 5-facet rotating indexable prism
- Extremely fast motorized iris, opening and closing pulses up to 3 Hz (patent pending)
- Variable frost effect
- Remote beam flatness/hotspot control
- Mechanical dimmer/shutter, Strobe effect 1/10 Hz
- Electronic ballast with dimming and strobing possibilities
- Electronic auto ranging power supply 100-240 V AC, 50/60 Hz
- Pan and tilt movement in 16/8 bit resolution 540°/270° with locking mechanism
- Silent operation
- Communication protocols USITT DMX-512, Art-Net, MA Net, MA Net2, RDM
- Optional wireless version available: CRMX™ technology from Lumen Radio

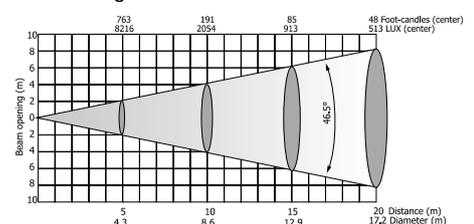


Lamp: MSR Platinum 35  
Beam angles are measured at free hole

Beam angle 9.8° - Min. zoom



Beam angle 46.5° - Max. zoom



# ROBIN®

## DL SERIES



# DL7F Wash™

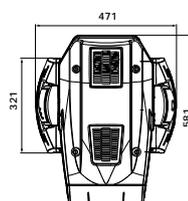
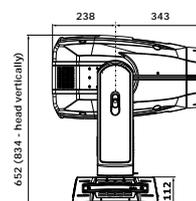
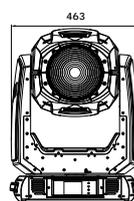
Let the colours shine and enjoy the feeling of the gorgeous spectrum of stable high CRI chromatics. Adjust seven colours, individually, to give unprecedented smooth, stable and even colour mixing and fine tune adjustable CRI in the range from 70 to 90 to meet the high standards of your applications. Add or remove green and regulate CTC between 2.700 to 8.000 kelvins via dedicated control channels.

Traditional fresnel front lens of the new Robin DL7F Wash ensures a classic look and homogenized conventional beam with high resolution smooth dimmer. The 200 mm diameter fresnel lens is easily interchangeable for optional PC lens. New innovative internal Scrim module of graduated filter can be inserted into the light path and allows rotation of the whole assembly +/- 180° to achieve even wash coverage when projecting onto a non-perpendicular surface. Mechanical features include a newly designed linear motorized zoom of 7°–65° and an interchangeable diffusion filter. The fixture uses an internal barndoor module for creating different shapes. The barndoor module consists of four individually controllable blades and is rotatable by +/- 90°.



## TECHNICAL SPECIFICATION

- Light source: ROBE's 800 W 7 colours LED engine
- LED engine life expectancy: 20.000 hrs
- CRI>90
- Beam angle: Zoom range 8°– 65° with Fresnel Lens  
7°– 62,5° with PC Lens
- Output Lens diameter: 200 mm
- Fixture total lumen output:
  - Fresnel lens Max. zoom: 8.180 lm (Intensity mode, CCT 8.000 K),  
6.150 lm (CRI mode 90+, CCT 8.000 K)
  - PC lens Max. zoom: 9.760lm (Intensity mode, CCT 8.000 K),  
7.200 lm (CRI mode 90+, CCT 8.000 K)
- Colour mixing mode RGB/CMY or 7 colours (8 or 16 bit)
- Virtual colour wheel with 66 preset swatches
- Tungsten lamp emulation at whites 2.700 K and 3.200 K
- Green correction function
- CTO: Variable
- Colour rainbow effect: Variable speed
- Interchangeable PC lens
- Beam Shaper (Internal barndoors): individual position control of 4 "doors", +/- 90° module rotation (Patent pending)
- Scrim module: Graduated filter position control, +/- 180° module rotation (Patent pending)
- Interchangeable frost, two optional filters included
- EMS™: Electronic Motion Stabiliser system for reducing beam deviation caused by truss movement or vibration
- Setting & Addressing: ROBE Navigation System 2 (RNS2)
- Protocols: USITT DMX-512, RDM, Art-Net, MA Net, MA Net2, sACN
- Wireless CRMX™ technology from Lumen Radio (on request)
- Protocol modes: 4
- Control channels: 34, 29, 42, 33
- 3-editable programs, each up to 100 steps
- Display: QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC, stand-alone operation with 3 editable programs (each up to 100 steps), built-in analyser for easy fault finding
- Ethernet port: RJ45
- Data in/out: Locking 3-pin & 5-pin XLR
- Power in: Neutrik powerCON TRUE1
- Built-in analyser for easy fault finding
- Power supply: Electronic auto-ranging
- Input voltage range: 100–240 V, 50/60 Hz
- Weight: 36.0 kg (79.4 lbs)
- Rigging: Mounting points with 2 pairs of 1/4-turn locking points, 2x Omega brackets with 1/4-turn quick locks



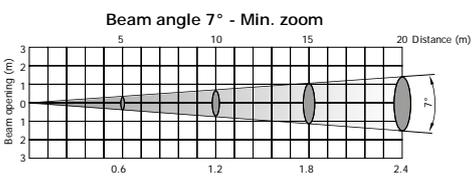


# DL7S Profile™

The DL7S Profile is the first DL range fixture to receive a powerful new 800W version of the LED engine with seven colours for unprecedented smooth, stable and even colour mixing and a very high CRI of 90.

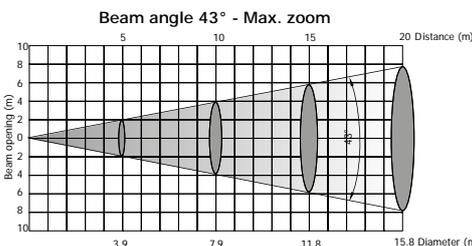
From the deepest to the lightest colours the DL7S provides a rich full colour spectrum experience, and features custom colour mixing and dimming and seamless operation especially at the minimum brightness levels. Four fast framing shutters within the optical path are individually controllable for position and angle and the entire framing module can be rotated. Crisp and soft frames can be used on projections, and a new series of effects is possible using a selection of pre-programmed shutter blade shape and movement sequences.

One rotating gobo wheel with 6 "SLOT&LOCK" gobo positions plus a static gobo wheel with 8 static gobos can be combined with the Animation wheel. Other effects and features include variable frost, rotating prism and super-fast iris. As with all the DL luminaire range, the multiple LED lightsource is completely homogenised.



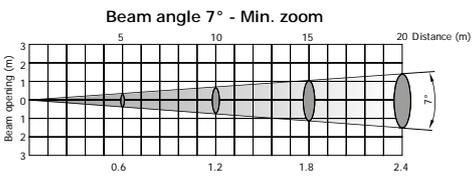
**Output Mode: Intensity, Total output = 5.370 lm (CCT=8000K)**

| Distance (m) | 5          | 8         | 10       | 12       | 14       | 16       | 18       | 20       |
|--------------|------------|-----------|----------|----------|----------|----------|----------|----------|
| White 2700K  | 1866/996   | 4164/2087 | 2665/248 | 1950/172 | 1360/126 | 1041/97  | 822/76   | 666/62   |
| White 3200K  | 2050/1128  | 4701/2437 | 3073/280 | 2090/184 | 1537/143 | 1173/109 | 930/86   | 753/70   |
| White 4200K  | 14108/1312 | 5501/512  | 3525/328 | 2448/227 | 1798/167 | 1377/128 | 1088/101 | 881/82   |
| White 5600K  | 14220/1501 | 5633/598  | 4055/377 | 2816/262 | 2069/192 | 1584/147 | 1252/116 | 1014/94  |
| White 6600K  | 16740/1555 | 3527/328  | 2558/230 | 1567/146 | 1152/107 | 882/82   | 695/65   | 564/52   |
| White 8000K  | 17500/1626 | 4836/435  | 4375/407 | 3038/282 | 2232/207 | 1710/159 | 1350/125 | 1094/102 |



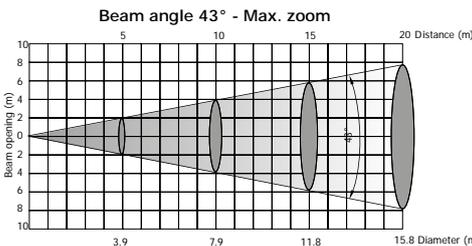
**Output Mode: Intensity, Total output = 8.300 lm (CCT=8000K)**

| Distance (m) | 5      | 8      | 10     | 12     | 14      | 16   | 18     | 20     |
|--------------|--------|--------|--------|--------|---------|------|--------|--------|
| White 2700K  | 535/50 | 209/19 | 134/12 | 93/9   | 68/6    | 52/5 | 41/3.8 | 33/3   |
| White 3200K  | 577/54 | 225/21 | 144/13 | 100/9  | 75/7    | 56/5 | 44/4   | 36/3.4 |
| White 4200K  | 664/62 | 259/24 | 166/15 | 115/11 | 85/8    | 65/6 | 51/5   | 42/4   |
| White 5600K  | 731/68 | 280/27 | 182/17 | 127/12 | 94/9    | 72/7 | 56/5   | 46/4.2 |
| White 6600K  | 750/70 | 293/27 | 188/17 | 130/12 | 96/9    | 73/7 | 58/5   | 47/4.4 |
| White 8000K  | 800/74 | 313/29 | 200/19 | 140/13 | 102/9.5 | 78/7 | 61/5.7 | 50/4.4 |



**Output Mode: CRI (90+), Total output = 3.160 lm (CCT=8000K)**

| Distance (m) | 5          | 8        | 10       | 12       | 14       | 16       | 18     | 20     |
|--------------|------------|----------|----------|----------|----------|----------|--------|--------|
| White 2700K  | 5450/506   | 2130/198 | 1362/127 | 950/88   | 695/65   | 532/49   | 420/39 | 340/32 |
| White 3200K  | 6330/588   | 2473/230 | 1583/147 | 1099/102 | 807/75   | 618/57   | 488/45 | 395/37 |
| White 4200K  | 7600/706   | 2970/276 | 1900/177 | 1319/123 | 970/90   | 742/69   | 586/55 | 475/44 |
| White 5600K  | 9520/884   | 3720/346 | 2380/221 | 1653/154 | 1214/112 | 930/86   | 735/68 | 595/55 |
| White 6600K  | 10160/942  | 3961/368 | 2535/235 | 1760/163 | 1293/120 | 990/92   | 782/72 | 634/59 |
| White 8000K  | 11100/1033 | 4336/403 | 2775/258 | 1927/179 | 1416/132 | 1084/101 | 856/80 | 694/65 |

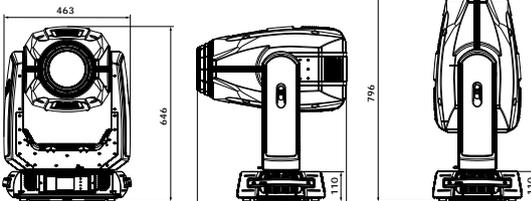


**Output Mode: CRI (90+), Total output = 5.020 lm (CCT=8000K)**

| Distance (m) | 5       | 8      | 10     | 12     | 14     | 16     | 18     | 20     |
|--------------|---------|--------|--------|--------|--------|--------|--------|--------|
| White 2700K  | 2670/24 | 102/9  | 65/6   | 45/4.2 | 33/3   | 25/2.4 | 20/2   | 16/1.6 |
| White 3200K  | 302/28  | 118/11 | 76/7   | 52/5   | 39/4   | 30/2.7 | 23/2.2 | 19/2   |
| White 4200K  | 359/31  | 140/13 | 90/8   | 62/6   | 46/4   | 35/3   | 28/2.6 | 22/2   |
| White 5600K  | 445/41  | 174/16 | 117/10 | 77/7   | 57/5   | 44/4   | 34/3.2 | 28/2.6 |
| White 6600K  | 480/45  | 188/17 | 120/11 | 83/8   | 61/5.7 | 47/4.4 | 37/3.4 | 30/2.8 |
| White 8000K  | 536/50  | 209/20 | 134/12 | 93/9   | 68/6.4 | 52/5   | 41/4   | 34/3.1 |

## TECHNICAL SPECIFICATION

- Light source: ROBE's 800 W 7 colours LED engine
- LED engine life expectancy: 20.000 hrs
- CRI>90
- Fixture total lumen output: 8.590 lm
- Beam angle: Zoom range 7°-43°
- Output Lens diameter: 132 mm
- Colour mixing mode RGB/CMY or 7 colours (8 or 16 bit)
- Virtual Colour Wheel: with 66 preset swatches
- Variable CTO: 2.700K-8.000K
- Tungsten lamp emulation at whites 2.700 K and 3.200 K
- Green correction function
- Aluminium Animation wheel
- Static Gobo wheel: 8 replaceable "SLOT&LOCK" gobos (8 glass gobos + open)
- Rotating Gobo wheel: 6 rotating, indexable, replaceable "SLOT&LOCK" glass gobos + open
- Framing shutters: 4 individually positionable blades plus rotation of the complete frame system + - 45°
- Ultrafast blade movements for creating mid-air effects
- Iris: Motorized, stepless, pulse effects up to 3 Hz
- Prism: 3-facet 11° prism rotating in both directions at different speeds
- Frost filters: replaceable, variable frost filter 1°, 20° included; 10° and 30° optional accessories
- Dimmer: 8 or 16 bit (internal 18 bit)
- Motorized zoom and focus
- EMS™: Electronic Motion Stabiliser system for reducing beam deviation caused by truss movement or vibration
- Setting & Addressing: ROBE Navigation System 2 (RNS2)
- Protocols: USITT DMX-512, RDM, Art-Net, MA Net, MA Net2, sACN
- Wireless CRM™ technology from Lumen Radio (on request)
- Protocol modes: 4
- Control channels: 51, 42, 59, 46
- 3-editable programs, each up to 100 steps
- Display: QVGA Robe touch screen with battery backup, gravitation sensor for auto screen positioning, operation memory service log with RTC, stand-alone operation with 3 editable programs (each up to 100 steps), built-in analyser for easy fault finding
- Ethernet port: RJ45
- DMX and RDM data in/out : Locking 3-pin & 5-pin XLR
- Power in: Neutric powerCON TRUE1
- Weight: 36.0 kg (79.4 lbs)



FRAMING SHUTTERS

STATIC GOBO WHEEL

ROTATING GOBO WHEEL

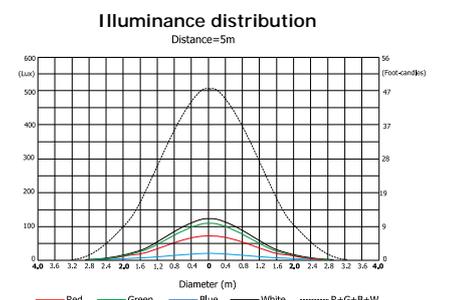
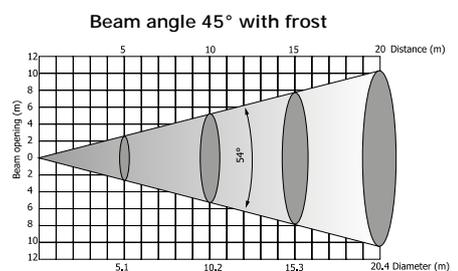
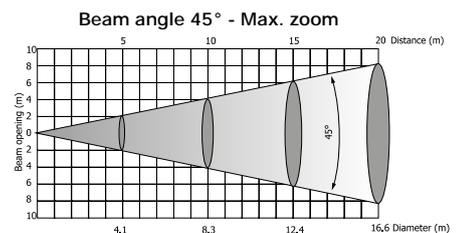
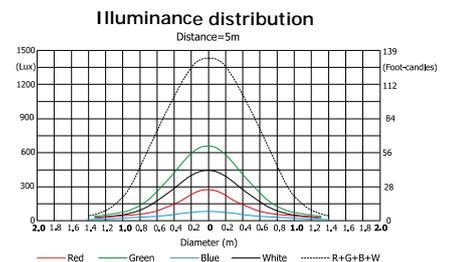
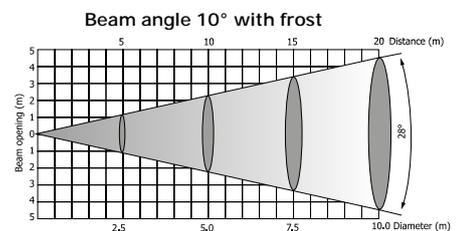
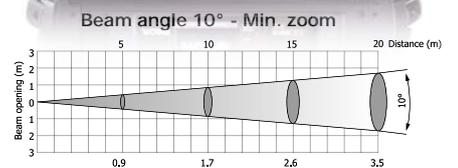
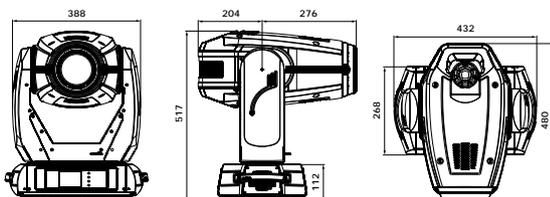
# DL4X Spot™

Improved, brighter version of the ROBE RGBW LED module module allows the DL4X Spot fixture to utilize the specifically modified color mixing and dimming for extra smooth, stepless operation especially at minimum brightness levels while giving colour outputs brighter than a 1.200 Watt discharge unit, but with an average very eco-friendly power consumption of only 250 Watts.

The optical system produces a very smooth, high quality light output of rich, beautiful colours with no shadows and utilizes a versatile zoom of 10–45 degrees. Effects features consist of a combination of static and rotating gobo wheels that have custom replaceable positions, variable frost, three-faceted prism, superfast iris and more... including full range dimming and variable strobe effects.

## TECHNICAL SPECIFICATION

- Light Source: 480W RGBW LED engine
- LED engine life expectancy: 20.000 hrs
- Motorized zoom 10°– 45°
- RGBW or CMY colour mixing
- Virtual colour wheel with pre-programmed 237 colours including whites (2.700K, 3.200K, 4.200K, 5.600K and 8.000K)
- Tungsten lamp effect at whites 2.700K and 3.200K
- CTO filter
- Static gobo wheel with 9 user replaceable "SLOT&LOCK" gobos
- Rotating gobo wheel with 7 user replaceable "SLOT&LOCK" glass gobos
- Variable frost
- Extremely fast motorized iris, opening and closing pulses up to 3 Hz
- 3-facet 11° prism rotating in both directions at different speeds
- Motorized focus
- Fine dimmer/shutter, fast strobe effect (max. 20 fl ashes/second)
- Electronic auto ranging power supply 100–250 V AC, 50–60 Hz
- Pan and tilt movement in 16/8 bit resolution 540°/280° with locking mechanism
- Silent operation
- Communication protocols USITT DMX-512, Art-Net, MA Net, MA Net2, RDM, sACN
- Control channels: 35, 25, 23
- RNS2 - Robe Navigation System with LCD touch screen and battery backup, gravitation sensor for auto screen positioning and operation memory service log with RTC
- Wireless CRMX™ technology from Lumen Radio as optional accessory
- Rigging: 2 pairs of ¼-turn locking points + 2x Omega bracket with ¼-turn quick locks



# DL4F Wash™

This is the perfect companion to the ROBIN® DL4S Profile, the new ROBIN® DL4F Wash is based on the same RGBW LED module with improved brightness and with specifically modified color mixing and dimming for extra smooth, stepless operation especially at minimum brightness levels.

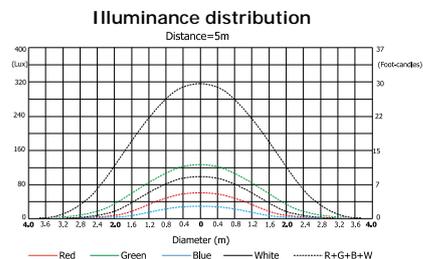
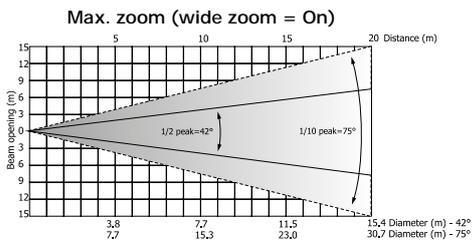
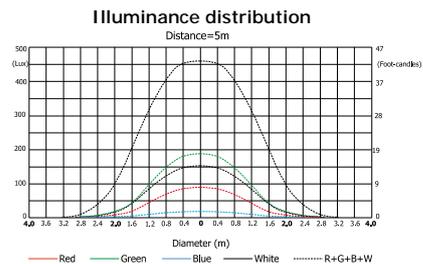
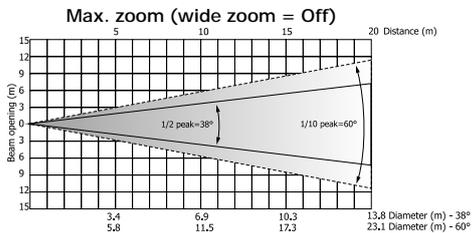
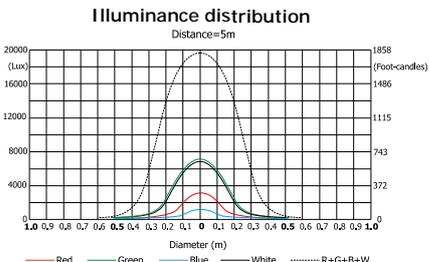
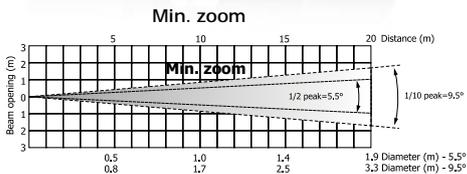
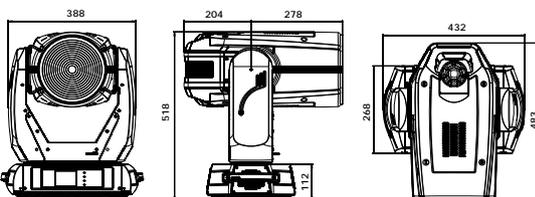
With a perfectly smooth output via the front Fresnel lens, this fixture has been optimized for those wanting an even light output with no shadows. (RGB breakups and shadows are not present even when on closely positioned trussing or other objects.) Mechanical features include a newly designed linear motorized zoom of 5.5°–60° and a diffusion filter for extension of the zoom up to 75°. The fixture uses a internal Barndoor module for creating different shapes. The module consists of four individually controllable blades and is rotatable by plus or minus 90 degrees.

Advanced software features include RGBW or CMY colour mixing, a set of calibrated whites, CTO, Tungsten lamp emulation (amber shift) and more.

## TECHNICAL SPECIFICATION



- Light Source: 480W RGBW LED engine
- LED engine life expectancy: 20.000 hrs
- Motorized zoom 5,5 ° – 60 ° (75 ° with frost)
- RGBW or CMY colour mixing
- Virtual colour wheel with pre-programmed 237 colours including whites (2.700 K, 3.200 K, 4.200 K, 5.600 K and 8.000 K)
- Tungsten lamp effect at whites 2.700 K and 3.200 K
- CTO filter
- Four individually controllable blades (Patent Pending)
- 40 beam shaper macros
- Variable frost
- Fine dimmer/shutter, fast strobe effect (max. 20 flashes/second)
- Electronic auto ranging power supply 100–250 V AC, 50–60 Hz
- Pan and tilt movement in 16/8 bit resolution 540 °/260 ° with locking mechanism
- Silent operation
- Communication protocols USITT DMX-512, Art-Net, MA Net, MA Net2, RDM
- Control channels: 29, 23, 21
- RNS2 - Robe Navigation System with LCD touch screen and battery backup, gravitation sensor for auto screen positioning and operation memory service log with RTC
- Wireless CRMX™ technology from Lumen Radio as optional accessory
- Rigging: 2 pairs of ¼-turn locking points + 2x Omega bracket with ¼-turn quick locks
- 3 Years or 20.000 Hours light source warranty



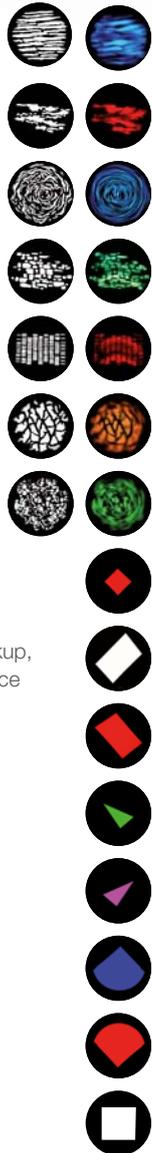
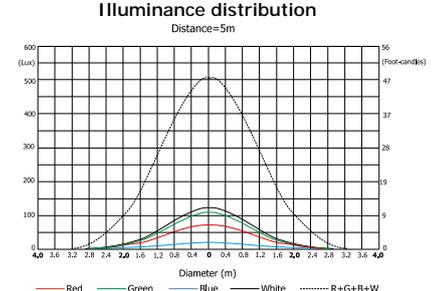
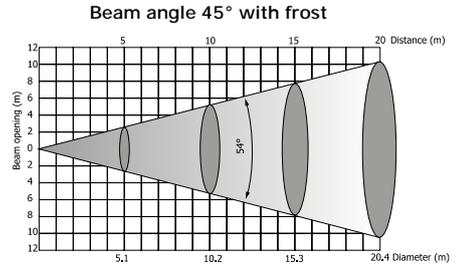
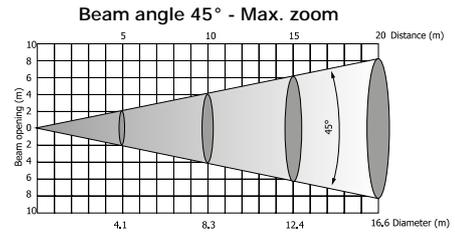
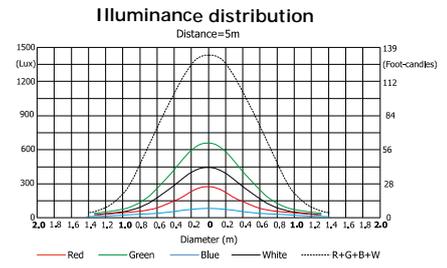
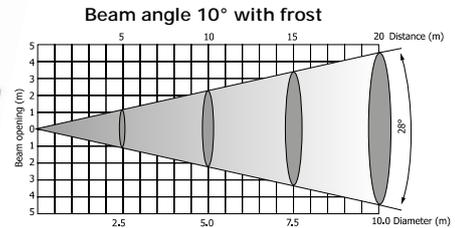
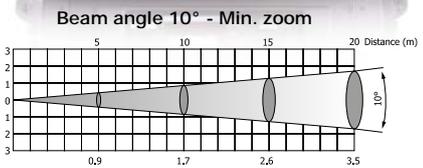
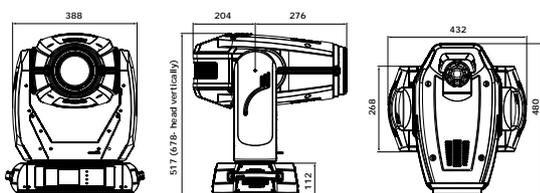
# DL4S Profile™

Extending the possibilities of the playful, colorful DLS Profile, the new DL4S is equipped with enhanced version of the ROBE RGBW LED module for brighter saturated colours and more powerful output.

To magnify the already perfectly smooth colours, fades and dimming, the DL4S features innovative LED driving system for improved, extremely high definition dimming curve for all R, G, B, W colours, with 18 bits resolution. The DL4S adds a system of 4 fast, smooth, framing shutters within the optical path design of the proven DL4S Spot format. There is individual control of each shutter blade position and angle, together with rotation of the complete framing module. As well as providing a sharp precise or soft frame for the projected image, the system produces a new series of effects through pre-programmed shutter blade shape and movement sequences. As with all models in the Robe DL luminaire range, the multiple shadows normally associated with an LED source have been eliminated. The enhanced Robe RGBW LED light source reproduces both rich and pastel colours at output levels normally associated with 1.200W discharge fixtures as well as pure whites at preselected 2.700, 3.200, 4.200, 5.600 and 8.000 kelvin colour temperatures. The tungsten emulation function allows the fixture to be integrated seamlessly into lighting schemes with existing traditional lanterns.

## TECHNICAL SPECIFICATION

- Light Source: 480W RGBW LED engine
- LED engine life expectancy: 20.000 hrs
- Linear motorized zoom: 10° - 45°
- RGBW or CMY colour mixing + variable CTO
- Virtual wheel with pre-programmed 237 colours plus whites (2.700 K, 3.200 K, 4.200 K, 5.600 K and 8.000 K)
- Tungsten lamp effect at whites 2.700 K and 3.200 K
- Aluminium Animation wheel
- Rotating Gobo wheel with 7 rotating, indexable, replaceable "SLOT&LOCK" metal gobos + open
- Framing shutters: 4 individually positionable blades plus rotation of the complete frame system + - 45° (Patent Pending)
- Motorized Iris, stepless, pulse effects up to 3 Hz
- 3-facet 11° prism rotating in both directions at different speeds
- Frost filter: Separate, variable
- Motorized focus
- High resolution dimmer 0-100%
- Strobe effect with variable speed
- Pre-programmed random strobe & pulse effects
- Pan and Tilt movement range: 540°/280°
- Protocol modes: 3
- Control channels: 47, 38, 36
- 3 user defined programs, each up to 100 steps
- Ethernet port: Art-Net protocol, ready for ACN
- Data in/out: Locking 3-pin & 5-pin XLR
- RNS2 - Robe Navigation System with LCD touch screen and battery backup, gravitation sensor for auto screen positioning and operation memory service log with RTC
- Communication protocols: USITT DMX-512, Art-Net, MA Net, MA Net2, sACN, RDM
- Wireless CRMX™ technology from Lumen Radio as optional accessory
- Supply Input: 100-240 V AC, 50-60 Hz auto ranging
- Power connection: Neutrik powerCON
- Weight: 22.7 kg (50 lbs)



# 600 LEDWash™

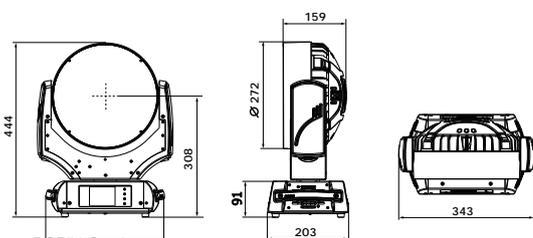
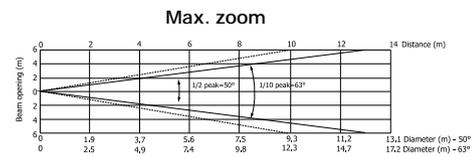
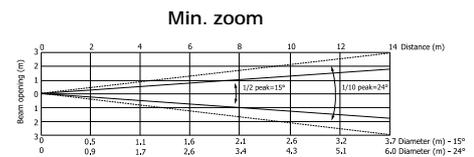
The super-slim ROBIN® LEDWash 600 features 37 RGBW multichip LEDs with colour output ranging from gentle pastels to the richest saturation.

Arranged in 3 concentric rings these LEDs offer unique possibilities for creating stunning colour and pattern audience blinding effects as well as for providing comprehensive and perfectly even wash coverage. This system sets the LEDWash 600 ahead of any other LED wash light products, making it a truly 'multi-purpose' unit, equipped also with extremely versatile 15–60 degree motorized zoom, powerful fast strobing and pre-programmed pulse strobe effects.

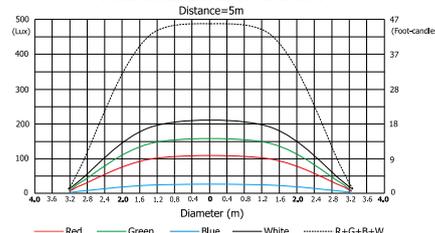


## TECHNICAL SPECIFICATION

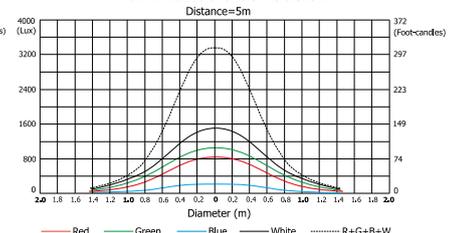
- 37 RGBW LED multichips
- Led Life Expectancy: minimum 60.000 hours
- Typical Lumen Maintenance: 70% @ 60.000 hours
- Linear motorized zoom: 8°–63°
- RGBW colour mixing, CTO
- Virtual colour wheel with 237 colours including whites (2.700 K, 3.200 K, 4.200 K, 5.600 K and 8.000 K)
- High resolution dimmer 0–100%
- Strobe effect with variable speed
- LED zone strobe effects with variable speed
- Protocol modes: 5
- Control channels: 37, 21, 15, 10, 37
- 3-editable programs, each up to 100 steps
- Ethernet port: Art-Net protocol, ready for ACN
- Data in/out: Locking 3-pin & 5-pin XLR
- RNS2 - Robe Navigation System with LCD touchscreen and battery backup, gravitation sensor for auto screen positioning and operation memory service log with RTC
- Communication protocols: USITT DMX-512, Art-Net, MA Net, MA Net2, RDM
- Optional wireless version available: CRMX™ technology from Lumen Radio
- Electronic auto ranging power supply, 100–240 V AC, 50/60 Hz
- Power consumption: 415W
- Pan and Tilt movement range: 450°/300°; 16 bit resolution
- Mounting points: 2 pairs of 1/4-turn locking points



### Illuminance distribution



### Illuminance distribution



# ROBIN<sup>®</sup>

## PURE WHITE SERIES

Spotlessly even light output of the highly popular ROBIN® 600 LEDWash comes in a PureWhite version, offering smooth output of white only variations. There are 3 versions - DayLight (6.300K), WarmWhite (3.000 K) and SmartWhite which is variable from 6.300 – 2.800 K. The 10 W Cree LED multichips are arranged in 3 concentric rings for providing comprehensive and perfectly even wash coverage, ideal for car shows, theaters and thank to the flicker free LED operation also for TV studios. Fast 15 – 60 degree motorized zoom, speedy pan and tilt movement and powerful fast strobing with pre-programmed strobe effects of all LEDs or per each individual ring can turn this wash unit into very effective blinding tool.



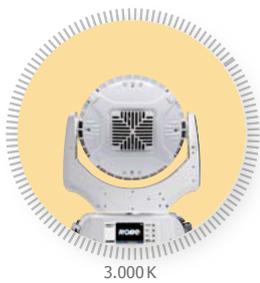
# 600 PureWhite™ WarmWhite

The WarmWhite version uses 37 white only multichip LEDs with 3.000K colour temperature arranged in 3 concentric rings for providing their full power for comprehensive and perfectly even wash coverage, it is the perfect tool for places where warmer colour temperature is required for cameras and dramatic effect, making it most useful in theaters and thanks to the flicker free LED operation also in TV studios.

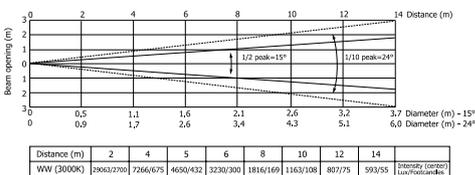
Fast 15 – 60 degree motorized zoom, speedy pan and tilt movement and powerful fast strobing with pre-programmed strobe effects of all LEDs or per each individual ring can turn this wash unit into very effective blinding tool.

## TECHNICAL SPECIFICATION

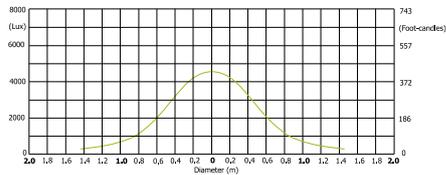
- Light source: 37 WW LED multichips
- Led Life Expectancy: minimum 60.000 hours
- Typical Lumen Maintenance: 70% @ 60.000 hours
- Linear motorized zoom: 15 °–60 °
- High resolution dimmer 0–100 %
- Strobe effect with variable speed (max. 20 flashes per second)
- Protocol modes: 5
- Control channels: 18, 12, 13, 10, 18
- 3-editable programs, each up to 100 steps
- Ethernet port: Art-Net protocol, ready for ACN
- Data in/out: Locking 3-pin & 5-pin XLR
- RNS2 - Robe Navigation System with LCD touchscreen and battery backup, gravitation sensor for auto screen positioning and operation memory service log with RTC
- Communication protocols: USITT DMX-512, Art-Net, MA Net, MA Net2, RDM
- Optional wireless version available: CRMX™ technology from Lumen Radio
- Electronic auto ranging power supply, 100–240V AC, 50/60 Hz
- Power consumption: 415W
- Pan and Tilt movement range: 450 °/300 °; 16 bit resolution
- Mounting points: 2 pairs of 1/4-turn locking points



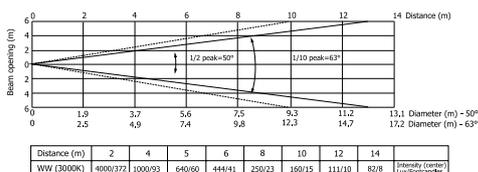
Min. zoom



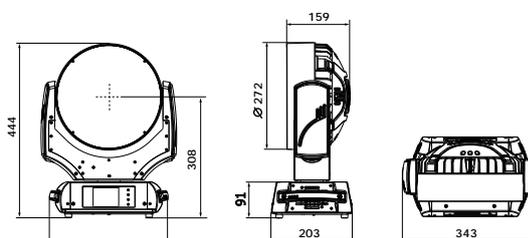
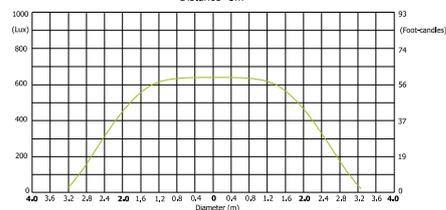
Illuminance distribution  
Distance=5m



Max. zoom



Illuminance distribution  
Distance=5m



# 600 PureWhite™

## Smart White

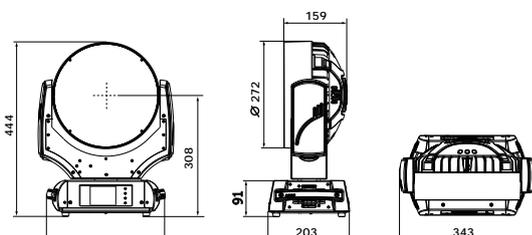
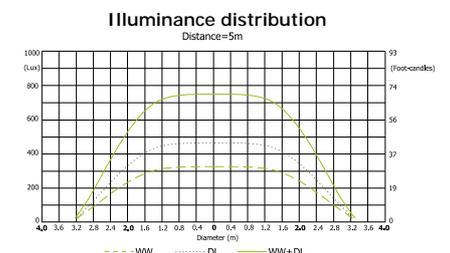
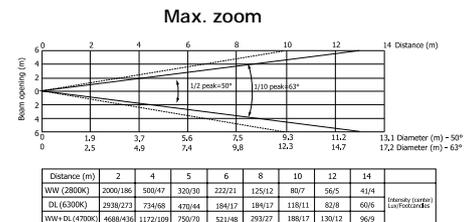
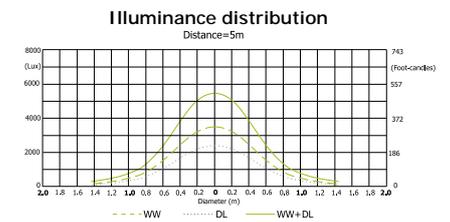
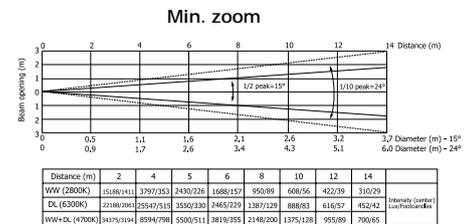
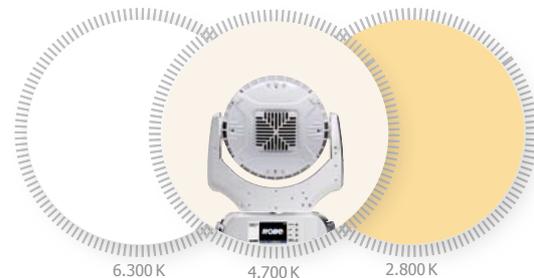
The SmartWhite version uses 37 white only multichip LEDs in combination of 6.300K and 2.800K colour temperature arranged in 3 concentric rings for providing comprehensive and perfectly even wash coverage, allowing to adjust the colour temperature according to the needs of the environment.

This renders the fixture as a perfect tool for all jobs including carshows, theaters and thank to the flicker free LED operation also for TV studios. Fast 15 – 60 degree motorized zoom, speedy pan and tilt movement and powerful fast strobing with pre-programmed strobe effects of all LEDs or per each individual ring can turn this wash unit into very effective blinding tool.



### TECHNICAL SPECIFICATION

- Light source: 37 DL/WW LED multichips
- Led Life Expectancy: minimum 60.000 hours
- Typical Lumen Maintenance: 70% @ 60.000 hours
- Linear motorized zoom: 15°–60°
- High resolution dimmer 0–100%
- Strobe effect with variable speed (max. 20 flashes per second)
- Protocol modes: 5
- Control channels: 24, 16, 12, 10, 24
- 3-editable programs, each up to 100 steps
- Ethernet port: Art-Net protocol, ready for ACN
- Data in/out: Locking 3-pin & 5-pin XLR
- RNS2 - Robe Navigation System with LCD touchscreen and battery backup, gravitation sensor for auto screen positioning and operation memory service log with RTC
- Communication protocols: USITT DMX-512, Art-Net, MA Net, MA Net2, RDM
- Optional wireless version available: CRMX™ technology from Lumen Radio
- Electronic auto ranging power supply, 100–240 V AC, 50/60 Hz
- Power consumption: 415W
- Pan and Tilt movement range: 450°/300°; 16 bit resolution
- Mounting points: 2 pairs of 1/4-turn locking points



# 600 PureWhite™ DayLight

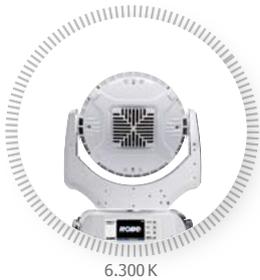


The Day Light version uses 37 white only multichip LEDs with 6.300K colour temperature arranged in 3 concentric rings for providing their full power for comprehensive and perfectly even wash coverage. It is an ideal light where colder colour temperature is required, mainly for car shows, concerts and thank to the flicker free LED operation also for TV studios.

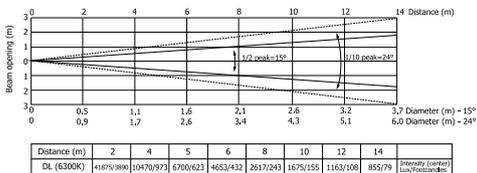
Fast 15 – 60 degree motorized zoom, speedy pan and tilt movement and powerful fast strobing with pre-programmed strobe effects of all LEDs or per each individual ring can turn this wash unit into very effective blinding tool.

## TECHNICAL SPECIFICATION

- Light source: 37 DL LED multichips
- Led Life Expectancy: minimum 60.000 hours
- Typical Lumen Maintenance: 70% @ 60.000 hours
- Linear motorized zoom: 15°–60°
- High resolution dimmer 0–100%
- Strobe effect with variable speed (max. 20 flashes per second)
- Protocol modes: 5
- Control channels: 18, 12, 13, 10, 18
- 3-editable programs, each up to 100 steps
- Ethernet port: Art-Net protocol, ready for ACN
- Data in/out: Locking 3-pin & 5-pin XLR
- RNS2 - Robe Navigation System with LCD touchscreen and battery backup, gravitation sensor for auto screen positioning and operation memory service log with RTC
- Communication protocols: USITT DMX-512, Art-Net, MA Net, MA Net2, RDM
- Optional wireless version available: CRMX™ technology from Lumen Radio
- Electronic auto ranging power supply, 100–240 V AC, 50/60 Hz
- Power consumption: 415W
- Pan and Tilt movement range: 450°/300°; 16 bit resolution
- Mounting points: 2 pairs of 1/4-turn locking points

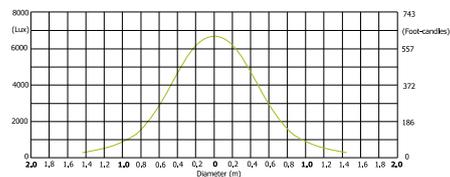


Min. zoom

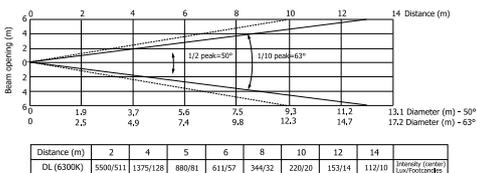


Illuminance distribution

Distance=5m

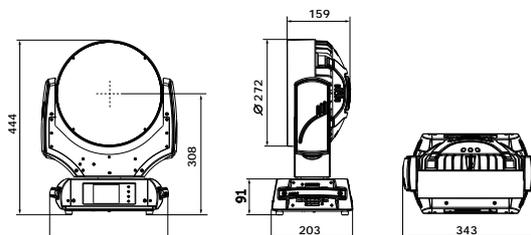
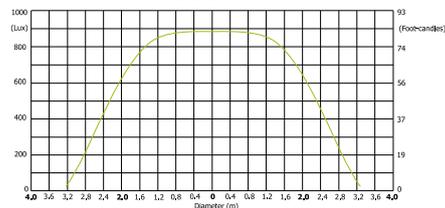


Max. zoom



Illuminance distribution

Distance=5m



# ROBIN®

## 300 SERIES





# 300 LEDWash™

Utilizing 19 multichip LEDs and motorized linear zoom 15 – 60 degrees the ROBIN® LEDWash 300 offers great flexibility with superior homogenization of the light source.

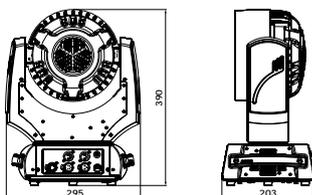
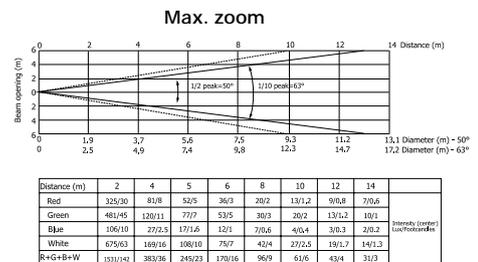
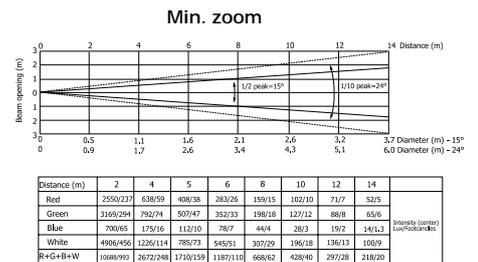
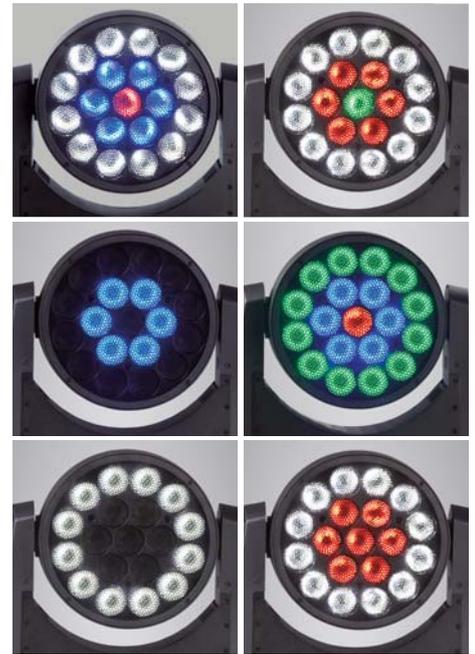
Specialized component optics composed of highly efficient elements ensures completely smooth colour mixing and it emphasizes dynamic array of true colours and hues.

This lightweight compact fixture is ideal for all small-to-medium applications, particularly those where space and accessibility is an issue.

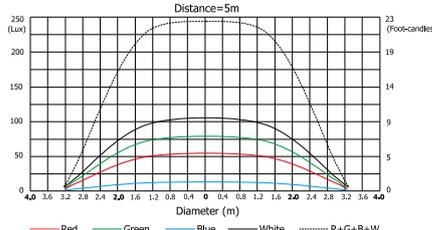


## TECHNICAL SPECIFICATION

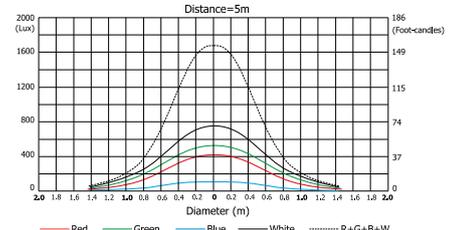
- 19 RGBW LED multichips
- Led Life Expectancy: minimum 60.000 hours
- Typical Lumen Maintenance: 70 % @ 60.000 hours
- Linear motorized zoom: 8°–63°
- RGBW colour mixing, CTO
- Virtual colour wheel with 237 colours including whites (2.700 K, 3.200 K, 4.200 K, 5.600 K and 8.000 K)
- High resolution dimmer 0–100 %
- LED zone strobe effects with variable speed
- Pre-programmed random strobe pulse-effects
- Protocol modes: 5
- Control channels: 37, 21, 15, 10, 37
- 3-editable programs, each up to 100 steps
- Ethernet port: Art-Net protocol, ready for ACN
- Data in/out: Locking 3-pin & 5-pin XLR
- RNS2 - Robe Navigation System with LCD touchscreen and battery backup, gravitation sensor for auto screen positioning and operation memory service log with RTC
- Communication protocols: USITT DMX-512, Art-Net, MA Net, MA Net2, RDM
- Optional wireless version available: CRMX™ technology from Lumen Radio
- Electronic auto ranging power supply, 100–240 V AC, 50/60 Hz
- Power consumption: 200W
- Pan and Tilt movement range: 450°/300°; 16 bit resolution
- Mounting points: 2 pairs of 1/4-turn locking points



### Illuminance distribution



### Illuminance distribution





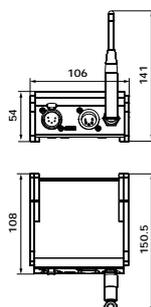
# ROBE Universal Interface WTX™

With all the new developments in the field of wireless transmissions, we are utilizing the state of art Wireless DMX/RDM CRMX technology for highly reliable bidirectional wireless connection, allowing controlling, setup and remote patching. This new technology features fixed latency, frame synchronization between receivers, full RDM and other possibilities, like cognitive coexistence, for reliable use in all timing critical environments.

Wireless DMX+RDM enhanced version of the Robe Universal Interface magnifies this powerful multi-functional toolbox. The unit communicates with a PC or Laptop via USB and besides the standard Robe Universal Interface features it provides wireless capabilities for both DMX controlling and bi-directional RDM setup, management and monitoring. Fixture software updates can now be carried out via either wired or wireless link. The wireless communication is based on robust CRMX technology which includes advanced features such as automated cognitive coexistence, DMX fidelity, low latency, strong encryption and more.

## TECHNICAL SPECIFICATION

- Windows 7, 98, ME, 2000, XP, Vista, Server 2003, Linux
- No extra PSU needed
- Galvanic isolation of 1kV between DMX Input and USB (DMX Output and USB)
- USB/DMX converter
- Provides fixture software updates
- Brings RDM communication protocol into DMX 512 control systems
- RDM-network software allows:
  - Fixture Status Monitoring
  - Fixture Personality Setting
  - AutoPatch
- Wireless DMX+RDM



Wireless 

# Fine touch features

## TRUE WHITE COLOURS

Spotless colour mixing of specially calibrated LEDs together with predefined values on a Virtual colour wheel channel allow quick direct calling of exact white hues of 2.700 K, 3.200 K, 4.200 K, 5.600 K and 8.000 K.



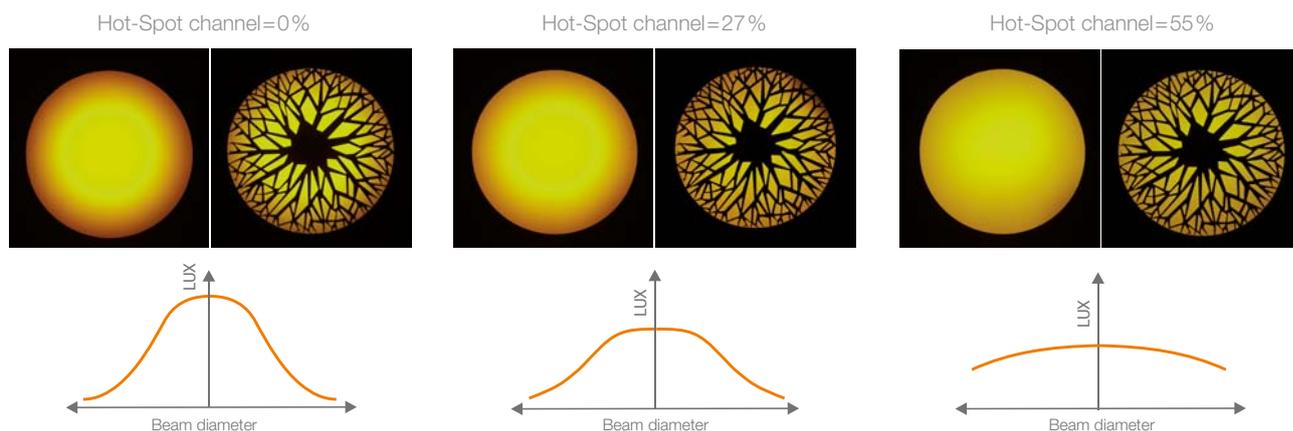
## TUNGSTEN EFFECT

In the Halogen lamp mode predefined for White Halogen 2.700 K and 3.200 K, the Dimmer channel initiates halogen lamp-like behaviour (red effect and thermal delay) during dimming.



## HOT-SPOT CONTROL

ROBIN 300E, 600E and MMX Spots provide an extra control of intensity distribution via the Hot-Spot channel.



# RoboSpot™ CONFIGURATION CHARTS:

## RoboSpot system with RoboSpot MotionCamera, RoboSpot BaseStation and DMX control desk

Up to 12 following fixtures can be connected to the RoboSpot MotionCamera:  
 BMFL™ Spot, BMFL™ Blade, BMFL™ WashBeam, BMFL™ FollowSpot,  
 DL7S Profile™, DL4S Profile™, MegaPointe®.



BMFL™ Spot 11



RoboSpot™  
BaseStation

RoboSpot™  
MotionCamera

BMFL™ Spot 11

## BMFL™ LightMaster Side

BMFL LightMaster Side kit and Rear kit can be mounted on following Robe fixtures:



BMFL™ Spot

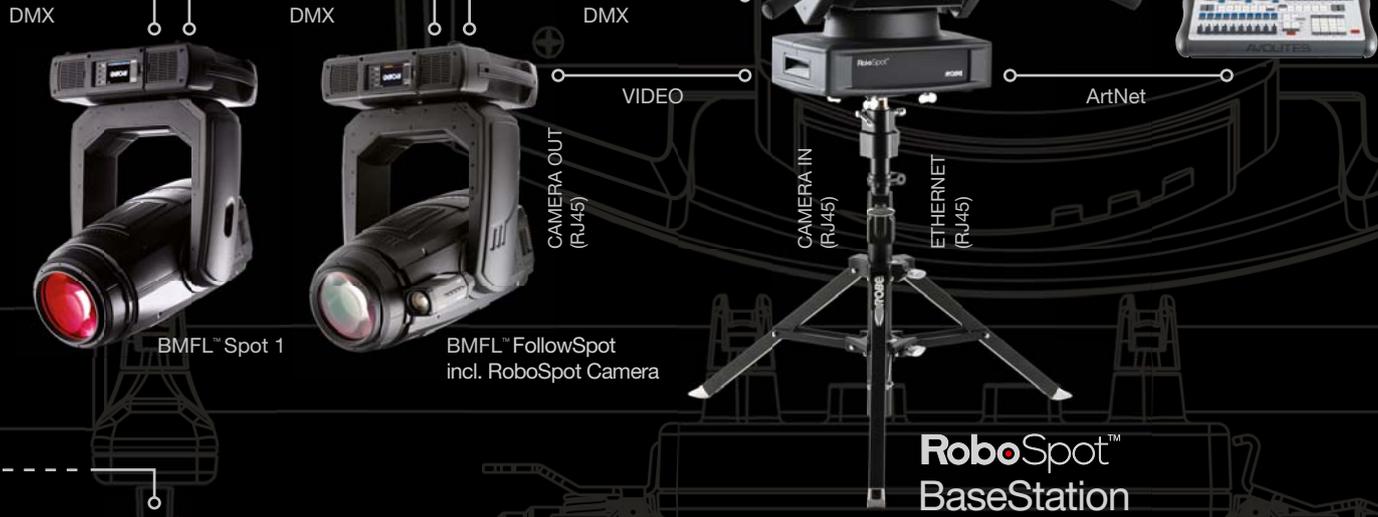


BMFL™ FollowSpot

**RoboSpot system with BMFL FollowSpot including RoboSpot Camera, RoboSpot BaseStation and DMX control desk**

Up to 11 following fixtures can be connected to the BMFL FollowSpot with RoboSpot Camera

Camera:  
 BMFL™ Spot, BMFL™ Blade, BMFL™ WashBeam,  
 BMFL™ FollowSpot, DL7S Profile™, DL4S Profile™,  
 MegaPointe®.





**LED**

|  | <b>150 LEDBeam™</b>                     | <b>100 LEDBeam™</b>                      | <b>Spider®</b>                               | <b>Square™</b>                               |
|--|---|--|--|--|
| <b>Light Source</b>                              | 7x RGBW multichip                       | 12 RGBW multichips                       | 19 RGBW multichips                           | 25 RGBW multichips                           |
| <b>Source life hours (Manf. Expectancy)</b>      | 60.000                                  | 60.000                                   | 20.000                                       | 20.000                                       |
| <b>Ballast type</b>                              | —                                       | —  | —  | —  |
| <b>Source remote on/off</b>                      | ✓                                       | ✓  | ✓  | ✓  |
| <b>Dimming - Full range</b>                      | Electronic                              | Electronic                               | Electronic                                   | Electronic                                   |
| <b>Source Colour Temperature</b>                 | Variable                                | Variable                                 | Variable                                     | Variable                                     |
| <b>Colour Temperature Selection / Correction</b> | Electronic - Variable & preset          | Electronic - Variable & preset           | Electronic - Variable & preset               | Electronic - Variable & preset               |
| <b>Colour Mixing</b>                             | RGBW/CMY                                | RGBW/CMY                                 | RGBW/CMY                                     | RGBW/CMY                                     |
| <b>Colour Wheel</b>                              | Electronic - 66 colour presets          | Electronic - 237 colours                 | Electronic - 66 preset swatches              | Electronic - 237 colours                     |
| <b>Zoom</b>                                      | 3.8 – 60 °                              | Fixed 7 °                                | Variable 4 ° – 50 °                          | Variable 4 ° – 60 °                          |
| <b>Remote Focus</b>                              | —                                       | —  | —  | —  |
| <b>Gobo Wheel 1 (26.8mm)</b>                     | —                                       | —  | —  | —  |
| <b>Gobo Wheel 2 (26.8mm)</b>                     | —                                       | —  | —  | —  |
| <b>Additional Optical features</b>               | —                                       | —  | Flower Effect                                | —  |
| <b>Hot-Spot control</b>                          | —                                       | —  | —  | —  |
| <b>Iris</b>                                      | —                                       | —  | —  | —  |
| <b>Prism - Rotating</b>                          | —                                       | —  | —  | 9x 3 facet prism                             |
| <b>Variable Frost</b>                            | —                                       | —  | —  | —  |
| <b>Shutter / variable speed Strobe</b>           | ✓                                       | ✓  | ✓  | ✓  |
| <b>Communication protocols</b>                   | DMX512                                  | DMX512                                   | DMX, Art-Net, MA Net/MA Net2, sACN,Kling-Net | DMX, Art-Net, MA Net/MA Net2, sACN,Kling-Net |
| <b>DMX channels (Mode 1,2,3...)</b>              | 22/16                                   | 35/19/14/9/35/37                         | 49/27/33/90/27/46/91/110/103/122             | 24/43/118                                    |
| <b>Data connections</b>                          | 5 pin XLR                               | 5 pin XLR                                | RJ45, 3+5 pin XLR                            | RJ45, 3+5 pin XLR                            |
| <b>CRMX Wireless version available</b>           | —                                       | —  | ✓  | ✓  |
| <b>User Display Interface</b>                    | 4 key LCD                               | 4 key LCD                                | Touch Screen                                 | Touch Screen                                 |
| <b>Master/Slave</b>                              | ✓                                       | ✓  | —  | —  |
| <b>Stand Alone</b>                               | ✓                                       | ✓  | ✓  | ✓  |
| <b>PSU 100-240v 50/60Hz Autoranging</b>          | ✓                                       | ✓  | ✓  | ✓  |
| <b>Max consumption Watts@230 V</b>               | 220                                     | 200                                      | 600  | 900  |
| <b>Power connection</b>                          | powerCON In/Out cable - NOT included    | powerCON In/Out cable - NOT included     | powerCON TRUE1                               | powerCON TRUE1                               |
| <b>Pan/Tilt range (Resolution)</b>               | Pan 450°, Tilt 228°                     | Pan 450°, Tilt 300°                      | Pan 540°, Tilt 220°                          | Continuous rotation                          |
| <b>Weight</b>                                    | 5.7 kg                                  | 4 kg                                     | 13.3 kg                                      | 35 kg  |
| <b>Size</b>                                      | 337 x 244 x 149 mm                      | 314 x 233 x 149 mm                       | 477 x 390 x 286 mm                           | 573 x 321 x 699 mm                           |
| <b>Key accessories</b>                           | Wireless module, Power cables, EggCrate | Top Hat, Diffusion filters, Power cables | Top Hat                                      | —  |



**LED**

|  | <b>300 LEDWash+™</b>           | <b>600 LEDWash+™</b>           | <b>600 LEDWash™ PureWhite</b>                  | <b>1200 LEDWash™</b>           |
|--|--------------------------------|--------------------------------|--|--------------------------------|
| <b>Light Source</b>                              | 19 RGBW multichips             | 37 RGBW multichips             | 37 RGBW multichips                             | 61 RGBW multichips             |
| <b>Source life hours (Manf. Expectancy)</b>      | 60.000                         | 60.000                         | 60.000   | 60.000                         |
| <b>Ballast type</b>                              | —                              | —                              | —  | —                              |
| <b>Source remote on/off</b>                      | ✓                              | ✓                              | ✓  | ✓                              |
| <b>Dimming - Full range</b>                      | Electronic                     | Electronic                     | Electronic                                     | Electronic                     |
| <b>Source Colour Temperature</b>                 | Variable                       | Variable                       | SW = 2.800 – 6.300<br>WW = 3.000<br>DL = 6.300 | Variable                       |
| <b>Colour Temperature Selection / Correction</b> | Electronic - Variable & preset | Electronic - Variable & preset | Electronic - Variable & preset                 | Electronic - Variable & preset |
| <b>Colour Mixing</b>                             | RGBW                           | RGBW                           | —  | RGBW/CMY                       |
| <b>Colour Wheel</b>                              | Electronic - 237 colours       | Electronic - 237 colours       | —  | Electronic - 237 colours       |
| <b>Zoom</b>                                      | Variable 15° – 60°             | Variable 15° – 60°             | Variable 15° – 60°                             | Variable 8° – 63°              |
| <b>Remote Focus</b>                              | —                              | —                              | —  | —                              |
| <b>Gobo Wheel 1 (26.8mm)</b>                     | —                              | —                              | —  | —                              |
| <b>Gobo Wheel 2 (26.8mm)</b>                     | —                              | —                              | —  | —                              |
| <b>Additional Optical features</b>               | —                              | —                              | —  | —                              |
| <b>Hot-Spot control</b>                          | —                              | —                              | —  | —                              |
| <b>Iris</b>                                      | —                              | —                              | —  | —                              |
| <b>Prism - Rotating</b>                          | —                              | —                              | —  | —                              |
| <b>Variable Frost</b>                            | —                              | —                              | —  | —                              |
| <b>Shutter / variable speed Strobe</b>           | ✓                              | ✓                              | ✓  | ✓                              |
| <b>Communication protocols</b>                   | DMX, Art-Net, MA Net/MA Net2   | DMX, Art-Net, MA Net/MA Net2   | DMX, Art-Net, MA Net/MA Net2                   | DMX, Art-Net, MA Net/MA Net2   |
| <b>DMX channels (Mode 1,2,3...)</b>              | 37/21/15/10/37                 | 37/21/15/10/37                 | DL/WW - 18/12/13/ 10/18<br>SW - 24/16/12/10/24 | 45/21/15/10/45/37              |
| <b>Data connections</b>                          | RJ45, 3+5 pin XLR              | RJ45, 3+5 pin XLR              | RJ45, 3+5 pin XLR                              | RJ45, 3+5 pin XLR              |
| <b>CRMX Wireless version available</b>           | ✓                              | ✓                              | ✓  | ✓                              |
| <b>User Display Interface</b>                    | Touch Screen                   | Touch Screen                   | Touch Screen                                   | Touch Screen                   |
| <b>Master/Slave</b>                              | —                              | —                              | —  | —                              |
| <b>Stand Alone</b>                               | ✓                              | ✓                              | ✓  | ✓                              |
| <b>PSU 100-240v 50/60Hz Autoranging</b>          | ✓                              | ✓                              | ✓  | ✓                              |
| <b>Max consumption Watts@230 V</b>               | 200                            | 450                            | 415  | 680                            |
| <b>Power connection</b>                          | Fixed cable                    | Fixed cable                    | Fixed cable                                    | Fixed cable                    |
| <b>Pan/Tilt range (Resolution)</b>               | Pan 450°, Tilt 300°            | Pan 450°, Tilt 300°            | Pan 540°, Tilt 260°                            | Pan 450°, Tilt 300°            |
| <b>Weight</b>                                    | 8.2 kg                         | 10.6 kg                        | 10.6 kg  | 18.0 kg                        |
| <b>Size</b>                                      | 390 x 295 x 203 mm             | 445 x 343 x 203 mm             | 445 x 343 x 203 mm                             | 570 x 439 x 268 mm             |
| <b>Key accessories</b>                           | Top Hat, transparent EggCrate  | Top Hat, transparent EggCrate  | Top Hat, transparent EggCrate                  | Top Hat, black EggCrate        |



**LED**

|  | <b>Actor 12™</b>               | <b>ParFect 150™</b>                       | <b>ParFect 100™</b>   | <b>ParFect S1™</b>  |
|--|--------------------------------|---|---|---|
| <b>Light Source</b>                              | 61 RGBW multichips             | 7x 30W RGBW multichip                     | 12 RGBW multichips  | White LED device  |
| <b>Source life hours (Manf. Expectancy)</b>      | 60.000                         | 20.000                                    | 60.000  | 60.000  |
| <b>Ballast type</b>                              | —                              | —   | —   | —   |
| <b>Source remote on/off</b>                      | ✓                              | ✓   | ✓   | ✓   |
| <b>Dimming - Full range</b>                      | Electronic                     | Electronic                                | Electronic  | Electronic  |
| <b>Source Colour Temperature</b>                 | Variable                       | Variable                                  | Variable  | 2.700 K or 6.000 K  |
| <b>Colour Temperature Selection / Correction</b> | Electronic - Variable & preset | Electronic - Variable & preset            | Electronic - Variable & preset                                  | —   |
| <b>Colour Mixing</b>                             | RGBW/CMY                       | RGBW/CMY                                  | RGBW/CMY  | —   |
| <b>Colour Wheel</b>                              | Electronic - 237 colours       | Electronic - 66 preset swatches           | Electronic - 237 colours  | —   |
| <b>Zoom</b>                                      | Variable 8°– 63°               | Variable 3.8°– 60°                        | Fixed 7°<br>+ diffusion filters 10°/20°/40°                     | —   |
| <b>Remote Focus</b>                              | —                              | —   | —   | —   |
| <b>Gobo Wheel 1 (26.8mm)</b>                     | —                              | —   | —   | —   |
| <b>Gobo Wheel 2 (26.8mm)</b>                     | —                              | —   | —   | —   |
| <b>Additional Optical features</b>               | —                              | —   | —   | —   |
| <b>Hot-Spot control</b>                          | —                              | —   | —   | —   |
| <b>Iris</b>                                      | —                              | —   | —   | —   |
| <b>Prism - Rotating</b>                          | —                              | —   | —   | —   |
| <b>Variable Frost</b>                            | —                              | —   | —   | —   |
| <b>Shutter / variable speed Strobe</b>           | ✓                              | ✓   | ✓   | ✓   |
| <b>Communication protocols</b>                   | DMX 512                        | DMX 512                                   | DMX 512   | DMX 512   |
| <b>DMX channels (Mode 1,2,3...)</b>              | 45/21/15/10/45/37              | 17/11                                     | 14/9/4/30/35  | 1/2/3   |
| <b>Data connections</b>                          | 5 pin XLR                      | 5 pin XLR                                 | 5 pin XLR   | 5 pin XLR   |
| <b>CRMX Wireless version available</b>           | ✓                              | ✓   | ✓   | ✓   |
| <b>User Display Interface</b>                    | 4 key LCD                      | 4 key LCD                                 | 4 key LCD   | 4 key LCD   |
| <b>Master/Slave</b>                              | ✓                              | —   | —   | —   |
| <b>Stand Alone</b>                               | ✓                              | ✓   | ✓   | ✓   |
| <b>PSU 100-240v 50/60Hz Autoranging</b>          | ✓                              | ✓   | ✓   | ✓   |
| <b>Max consumption Watts@230 V</b>               | 600                            | 220                                       | 200   | 150   |
| <b>Power connection</b>                          | powerCON cable                 | powerCON In/Out                           | powerCON In/Out cable - NOT included                            | powerCON In/Out cable - NOT included                            |
| <b>Pan/Tilt range (Resolution)</b>               | Tilt 300° (manual)             | —   | —   | —   |
| <b>Weight</b>                                    | 15.0 kg                        | 5.0 kg                                    | 4.0 kg  | 5.0 kg  |
| <b>Size</b>                                      | 540 x 440 x 167 mm             | 498 x 240 x 192 mm                        | 450 x 240 x 172 mm  | 450 x 240 x 172 mm  |
| <b>Key accessories</b>                           | —                              | Frame adaptor, gel frame, barndoor module | Diffusion filters, Accessory frame adaptor, Gel frame, Barndoor | Diffusion filters, Accessory frame adaptor, Gel frame, Barndoor |



**LED**

|  | <b>ParFect H1™</b>  | <b>CycFX 4™</b>                | <b>CycFX 8™</b>                | <b>CycBar 15™</b>              |
|--|---|--------------------------------|--------------------------------|--------------------------------|
| <b>Light Source</b>                              | White LED device  | 4 RGBW multichips              | 8 RGBW multichips              | 15 RGBW multichips             |
| <b>Source life hours (Manf. Expectancy)</b>      | 60.000  | 60.000                         | 60.000                         | 60.000                         |
| <b>Ballast type</b>                              | —   | —                              | —                              | —                              |
| <b>Source remote on/off</b>                      | ✓   | ✓                              | ✓                              | ✓                              |
| <b>Dimming - Full range</b>                      | Electronic  | Electronic                     | Electronic                     | Electronic                     |
| <b>Source Colour Temperature</b>                 | 2.700 K or 6.000 K  | Variable                       | Variable                       | Variable                       |
| <b>Colour Temperature Selection / Correction</b> | —   | Electronic - Variable & preset | Electronic - Variable & preset | Electronic - Variable & preset |
| <b>Colour Mixing</b>                             | —   | RGBW/CMY                       | RGBW/CMY                       | RGBW/CMY                       |
| <b>Colour Wheel</b>                              | —   | Electronic - 237 colours       | Electronic - 237 colours       | Electronic - 237 colours       |
| <b>Zoom</b>                                      | —   | Variable 8.5°–63°              | Variable 12°–67°               | Fixed angle 7.5°, 35°x70°      |
| <b>Remote Focus</b>                              | —   | —                              | —                              | —                              |
| <b>Gobo Wheel 1 (26.8mm)</b>                     | —   | —                              | —                              | —                              |
| <b>Gobo Wheel 2 (26.8mm)</b>                     | —   | —                              | —                              | —                              |
| <b>Additional Optical features</b>               | —   | Pixel Control                  | Pixel Control                  | Pixel Control                  |
| <b>Hot-Spot control</b>                          | —   | —                              | —                              | —                              |
| <b>Iris</b>                                      | —   | —                              | —                              | —                              |
| <b>Prism - Rotating</b>                          | —   | —                              | —                              | —                              |
| <b>Variable Frost</b>                            | —   | —                              | —                              | —                              |
| <b>Shutter / variable speed Strobe</b>           | ✓   | ✓                              | ✓                              | ✓                              |
| <b>Communication protocols</b>                   | DMX 512, dimming via traditional dimmer packs                   | DMX 512                        | DMX 512                        | DMX 512                        |
| <b>DMX channels (Mode 1,2,3...)</b>              | 1/2/3   | 14/21/33/37                    | 14/21/45/53/22/53/61           | 16/11/61/76                    |
| <b>Data connections</b>                          | 5 pin XLR   | 3+5 pin XLR                    | 3+5 pin XLR                    | 5 pin XLR                      |
| <b>CRMX Wireless version available</b>           | ✓   | ✓                              | ✓                              | ✓                              |
| <b>User Display Interface</b>                    | 4 key LCD   | 4 key LCD                      | 4 key LCD                      | 4 key LCD                      |
| <b>Master/Slave</b>                              | —   | —                              | —                              | —                              |
| <b>Stand Alone</b>                               | ✓   | ✓                              | ✓                              | ✓                              |
| <b>PSU 100-240v 50/60Hz Autoranging</b>          | ✓   | ✓                              | ✓                              | ✓                              |
| <b>Max consumption Watts@230 V</b>               | 150   | 80                             | 150                            | 170                            |
| <b>Power connection</b>                          | powerCON In/Out cable - NOT included                            | powerCON In/Out cable          | powerCON In/Out cable          | powerCON In/Out cable          |
| <b>Pan/Tilt range (Resolution)</b>               | —   | Tilt 270°                      | Tilt 270°                      | Tilt 200°                      |
| <b>Weight</b>                                    | 5.5 kg  | 6.8 kg                         | 12.0 kg                        | 11.1 kg                        |
| <b>Size</b>                                      | 490 x 240 x 172 mm  | 228 x 180 x 500 mm             | 228 x 180 x 999 mm             | 182 x 140 x 997 mm             |
| <b>Key accessories</b>                           | Diffusion filters, Accessory frame adaptor, Gel frame, Barndoor | —                              | —                              | Diffusion filters              |



**LED**

|  | <b>UV Strobe™</b>  | <b>Strobe IP™</b>               | <b>ColorStrobe IP™</b>                | <b>ColorStrobe™</b>                                     | <b>Strobe™</b>  |
|--|--|---------------------------------|---------------------------------------|---|---|
| <b>Light Source</b>                              | 80x 385nm UV + 40x 15W White LED chips                   | 60 x High Power White LED chips | 60 x 15W RGBW LED multichips          | 120 RGBW multichips                                     | 120 White LEDs 6.300K                                   |
| <b>Source life hours (Manf. Expectancy)</b>      | min. 16.000 hours  | 60.000                          | 40.000                                | 40.000  | 60.000  |
| <b>Ballast type</b>                              | —  | —                               | —                                     | —   | —   |
| <b>Source remote on/off</b>                      | ✓  | ✓                               | ✓                                     | ✓   | ✓   |
| <b>Dimming - Full range</b>                      | Electronic   | Electronic                      | Electronic                            | Electronic  | Electronic  |
| <b>Source Colour Temperature</b>                 | Variable   | Variable                        | Variable                              | Variable  | Variable  |
| <b>Colour Temperature Selection / Correction</b> | Electronic - Variable & preset                           | Electronic - Variable & preset  | Electronic - Variable & preset        | Electronic - Variable & preset                          | Electronic - Variable & preset                          |
| <b>Colour Mixing</b>                             | —  | —                               | —                                     | —   | —   |
| <b>Colour Wheel</b>                              | —  | —                               | —                                     | —   | —   |
| <b>Zoom</b>                                      | White 32° (1/2 beam), UV 38° (1/2 beam), 60° (1/10 beam) | 32° (1/2 beam), 60° (1/10 beam) | 35° (at 1/2 beam), 63° (at 1/10 beam) | Fixed angle 32°   | Fixed angle 32°   |
| <b>Remote Focus</b>                              | —  | —                               | —                                     | —   | —   |
| <b>Gobo Wheel 1 (26.8mm)</b>                     | —  | —                               | —                                     | —   | —   |
| <b>Gobo Wheel 2 (26.8mm)</b>                     | —  | —                               | —                                     | —   | —   |
| <b>Additional Optical features</b>               | Zone Control   | Zone Control                    | Zone Control                          | Zone Control  | Zone Control  |
| <b>Hot-Spot control</b>                          | —  | —                               | —                                     | —   | —   |
| <b>Iris</b>                                      | —  | —                               | —                                     | —   | —   |
| <b>Prism - Rotating</b>                          | —  | —                               | —                                     | —   | —   |
| <b>Variable Frost</b>                            | —  | —                               | —                                     | —   | —   |
| <b>Shutter / variable speed Strobe</b>           | ✓  | ✓                               | ✓                                     | ✓   | ✓   |
| <b>Communication protocols</b>                   | DMX, Art-Net, MA Net/MA Net2                             | DMX, Art-Net, MA Net/MA Net2    | DMX, Art-Net, MA Net/MA Net2          | DMX, Art-Net, MA Net/MA Net2                            | DMX, Art-Net, MA Net/MA Net2                            |
| <b>DMX channels (Mode 1,2,3...)</b>              | 8/20/3/4   | 8/14/3/4                        | 9/14/18/21/42                         | 9/14/18/28/84   | 8/20/3/4  |
| <b>Data connections</b>                          | RJ45, 5 pin XLR  | Locking 5-pin XLR IP 67         | Locking 5-pin XLR IP 67               | RJ45, 3+5 pin XLR                                       | RJ45, 3+5 pin XLR                                       |
| <b>CRMX Wireless version available</b>           | ✓  | ✓                               | ✓                                     | ✓   | ✓   |
| <b>User Display Interface</b>                    | Touch Screen   | Touch Screen                    | Touch Screen                          | Touch Screen  | Touch Screen  |
| <b>Master/Slave</b>                              | —  | —                               | —                                     | —   | —   |
| <b>Stand Alone</b>                               | ✓  | ✓                               | ✓                                     | ✓   | ✓   |
| <b>PSU 100-240v 50/60Hz Autoranging</b>          | ✓  | ✓                               | ✓                                     | ✓   | ✓   |
| <b>Max consumption Watts@230 V</b>               | 660  | 200                             | 440                                   | 1.300   | 660   |
| <b>Power connection</b>                          | powerCON   | power cable with plug           | power cable with plug                 | powerCON TRUE1  | powerCON TRUE1  |
| <b>Pan/Tilt range (Resolution)</b>               | —  | —                               | —                                     | —   | —   |
| <b>Weight</b>                                    | 14.3 kg  | 14.3 kg                         | 14.3 kg                               | 16.8 kg   | 16.8 kg   |
| <b>Size</b>                                      | 450 x 190 x 210 mm                                       | 314 x 463 x 237 mm              | 314 x 463 x 237 mm                    | 450 x 190 x 210 mm                                      | 450 x 190 x 210 mm                                      |
| <b>Key accessories</b>                           | Accessory frame adaptor and gel frame ,barnoor, stacker  | Mounting plate (top, bottom)    | Mounting plate (top, bottom)          | Accessory frame adaptor and gel frame ,barnoor, stacker | Accessory frame adaptor and gel frame ,barnoor, stacker |



**LED**

|  | <b>DL7F Wash™</b>                  | <b>DL7S Profile™</b>               | <b>DL4X Spot™</b>                  | <b>DL4F Wash™</b>                  | <b>DL4S Profile™</b>               |
|--|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| <b>Light Source</b>                              | 7 colours LED module               | 7 colours LED module               | RGBW module                        | RGBW module                        | RGBW LED module                    |
| <b>Source life hours (Manf. Expectancy)</b>      | > 20.000                           | > 20.000                           | > 20.000                           | > 20.000                           | > 20.000                           |
| <b>Ballast type</b>                              | —                                  | —                                  | —                                  | —                                  | —                                  |
| <b>Source remote on/off</b>                      | ✓                                  | ✓                                  | ✓                                  | ✓                                  | ✓                                  |
| <b>Dimming - Full range</b>                      | Electronic                         | Electronic                         | Electronic                         | Electronic                         | Electronic                         |
| <b>Source Colour Temperature</b>                 | Variable                           | Variable                           | Variable                           | Variable                           | Variable                           |
| <b>Colour Temperature Selection / Correction</b> | Electronic - Variable & preset     |
| <b>Colour Mixing</b>                             | 7 colours/CMY                      | 7 colours/CMY                      | RGBW/CMY                           | RGBW/CMY                           | RGBW/CMY                           |
| <b>Colour Wheel</b>                              | Electronic - 237 colours           |
| <b>Zoom</b>                                      | Variable 8°–45°                    | Variable 7°–43°                    | Variable 10°–45°                   | Variable 5.5°–60°                  | Variable 10°–45°                   |
| <b>Remote Focus</b>                              | ✓                                  | ✓                                  | ✓                                  | —                                  | ✓                                  |
| <b>Gobo Wheel 1 (26.8mm)</b>                     | —                                  | 6 Rotating + open                  | 7 Rotating + open                  | —                                  | 7 Rotating + open                  |
| <b>Gobo Wheel 2 (26.8mm)</b>                     | —                                  | 8 Static + open                    | 9 Static + open                    | —                                  | —                                  |
| <b>Additional Optical features</b>               | Internal Barndoors, Scrim          | Aluminium animation wheel          | —                                  | Internal barn doors                | Framing Shutters, Animation wheel  |
| <b>Hot-Spot control</b>                          | —                                  | —                                  | —                                  | —                                  | —                                  |
| <b>Iris</b>                                      | ✓                                  | ✓                                  | ✓                                  | —                                  | ✓                                  |
| <b>Prism - Rotating</b>                          | 5 facet                            | 5 facet                            | 3 facet                            | —                                  | 3 facet                            |
| <b>Variable Frost</b>                            | ✓                                  | ✓                                  | ✓                                  | ✓                                  | ✓                                  |
| <b>Shutter / variable speed Strobe</b>           | ✓                                  | ✓                                  | ✓                                  | ✓                                  | ✓                                  |
| <b>Communication protocols</b>                   | DMX, Art-Net, MA Net/MA Net2, sACN |
| <b>DMX channels (Mode 1,2,3...)</b>              | 56/48                              | 56/48                              | 35/24/22                           | 29/23/21                           | 34/29/26                           |
| <b>Data connections</b>                          | RJ45, 3+5 pin XLR                  |
| <b>CRMX Wireless version available</b>           | ✓                                  | ✓                                  | ✓                                  | ✓                                  | ✓                                  |
| <b>User Display Interface</b>                    | Touch Screen                       |
| <b>Master/Slave</b>                              | —                                  | —                                  | —                                  | —                                  | —                                  |
| <b>Stand Alone</b>                               | ✓                                  | ✓                                  | ✓                                  | ✓                                  | ✓                                  |
| <b>PSU 100-240v 50/60Hz Autoranging</b>          | ✓                                  | ✓                                  | ✓                                  | ✓                                  | ✓                                  |
| <b>Max consumption Watts@230 V</b>               | 1000                               | 1000                               | 550                                | 550                                | 550                                |
| <b>Power connection</b>                          | powerCON TRUE1 cable               | powerCON TRUE1 cable               | powerCON cable                     | powerCON cable                     | powerCON cable                     |
| <b>Pan/Tilt range (Resolution)</b>               | Pan 540°, Tilt 270°                | Pan 540°, Tilt 270°                | Pan 540°, Tilt 280°                | Pan 540°, Tilt 260°                | Pan 540°, Tilt 270°                |
| <b>Weight</b>                                    | 36.0 kg                            | 36.0 kg                            | 21.4 kg                            | 21.5 kg                            | 22.7 kg                            |
| <b>Size</b>                                      | 581 x 321 x 472 mm                 | 796 x 321 x 472 mm                 | 678 x 432 x 480 mm                 | 681 x 432 x 483 mm                 | 678 x 432 x 480 mm                 |
| <b>Key accessories</b>                           | —                                  | —                                  | —                                  | —                                  | —                                  |



|   | LED  |  |   |
|---|--|--|---|
|   | Spikie®                                      | MiniMe®  | VIVA™ CMY   |
| Light Source                              | RGBW multichip                               | RGB LED device                                 | 350 W White LED engine                            |
| Source life hours (Manf. Expectancy)      | 20.000                                       | 20.000   | > 20.000 / 3 years                                |
| Ballast type                              | Electronic                                   | Electronic                                     | Electronic  |
| Source remote on/off                      | ✓  | ✓  | ✓   |
| Dimming - Full range                      | ✓  | ✓  | ✓   |
| Source Colour Temperature                 | Variable                                     | Variable                                       | 6.500 K   |
| Colour Temperature Selection / Correction | Electronic - Variable & preset               | Electronic - Variable & preset                 | —   |
| Colour Mixing                             | RGBW/CMY                                     | RGB/CMY  | CMY   |
| Colour Wheel                              | Virtual Colour Wheel with 66 preset swatches | 16.7 million colours                           | 6 fixed colours                                   |
| Zoom                                      | 4° - 28°                                     | Fixed 16° horizontally<br>Fixed 10° vertically | Variable 9° - 40°                                 |
| Remote Focus                              | —  | ✓  | ✓   |
| Gobo Wheel 1 (26.8mm)                     | —  | 256 Digital Gobos                              | 7 Rotating + open                                 |
| Gobo Wheel 2 (26.8mm)                     | —  | —  | 9 Static + open                                   |
| Additional Optical features               | Flower Effect                                | Wide Angle Lense                               | —   |
| Hot-Spot control                          | —  | —  | —   |
| Iris                                      | —  | Digital  | ✓   |
| Prism - Rotating                          | —  | —  | 3 facet circular                                  |
| Variable Frost                            | —  | —  | ✓   |
| Shutter / variable speed Strobe           | ✓  | ✓  | ✓   |
| Communication protocols                   | USITT DMX 512, RDM                           | DMX-512,<br>RDM Art-Net                        | USITT DMX 512, RDM, ArtNet, MA Net, MA Net2, sACN |
| DMX channels (Mode 1,2,3...)              | 27/21  | 24   | 32/26   |
| Data connections                          | 5 pin XLR                                    | RJ45, 5 pin XLR                                | RJ 45, 3+5 pin XLR                                |
| CRMX Wireless version available           | ✓  | ✓  | ✓   |
| User Display Interface                    | 4 key LCD                                    | 4 key LCD                                      | Touch Screen                                      |
| Master/Slave                              | —  | —  | —   |
| Stand Alone                               | ✓  | ✓  | ✓   |
| PSU 100-240v 50/60Hz Autoranging          | ✓  | ✓  | ✓   |
| Max consumption Watts@230 V               | 100  | 90   | 400   |
| Power connection                          | powerCON TRUE1 In/Out                        | powerCON In/Out cable - NOT included           | powerCON TRUE1                                    |
| Pan/Tilt range (Resolution)               | Pan 360°, Tilt 360°,<br>Continuous rotation  | Pan 450°, Tilt 270°                            | Pan 540°, Tilt 270°                               |
| Weight                                    | 7.3 kg                                       | 6.0 kg   | 19.0 kg   |
| Size                                      | 407 x 273 x 225 mm                           | 345 x 249 x 191 mm                             | 675 x 280 x 220 mm                                |
| Key accessories                           | —  | Lens wide-angle 1:1.5                          | —   |



**DISCHARGE**

|  | <b>BMFL Spot™</b>                         | <b>BMFL Blade™</b>                        | <b>BMFL Wash™</b>                         | <b>BMFL WashBeam™</b>                     | <b>BMFL Follow Spot™</b>                  |
|--|---|---|---|---|---|
| <b>Light Source</b>                                  | Osram Lock-it!<br>HTI 1700/PS             |
| <b>Source life hours<br/>(Manf. Expectancy)</b>      | 750 @ 1700W/1500W/1200W                   |
| <b>Ballast type</b>                                  | Electronic                                | Electronic                                | Electronic                                | Electronic                                | Electronic                                |
| <b>Source remote on/off</b>                          | ✓   | ✓   | ✓   | ✓   | ✓   |
| <b>Dimming - Full range</b>                          | ✓   | ✓   | ✓   | ✓   | ✓   |
| <b>Source Colour Temperature</b>                     | 6.000 K                                   |
| <b>Colour Temperature Selection /<br/>Correction</b> | Mechanical<br>- Variable                  |
| <b>Colour Mixing</b>                                 | CMY+CTO                                   | CMY+CTO                                   | CMY+CTO                                   | CMY+CTO                                   | CMY+CTO                                   |
| <b>Colour Wheel</b>                                  | 2x 6 + open                               |
| <b>Zoom</b>  | Variable 5°–55°                           | Variable 5°–55°                           | Variable 4,5°–55°                         | Variable 5°–45°                           | Variable 5°–55°                           |
| <b>Remote Focus</b>                                  | ✓   | ✓   | ✓   | ✓   | ✓   |
| <b>Gobo Wheel 1 (26.8mm)</b>                         | 6 Rotating + open                         | 6 Rotating + open                         | —   | 6 Rotating + open                         | —   |
| <b>Gobo Wheel 2 (26.8mm)</b>                         | 6 Rotating                                | 8 Static + open                           | —   | —   | —   |
| <b>Additional Optical features</b>                   | Dual Graphics Wheel                       | Animation Wheel,<br>Framing Shutters      | Optional Internal Barndoors<br>and Scrim  | Animation wheel, Framing<br>Shutters      | —   |
| <b>Hot-Spot control</b>                              | —   | —   | —   | —   | —   |
| <b>Iris</b>  | ✓   | ✓   | —   | ✓   | ✓   |
| <b>Prism - Rotating</b>                              | 6 facet circular<br>6 facet linear        | 6 facet circular<br>6 facet linear        | —   | —   | —   |
| <b>Variable Frost</b>                                | ✓   | ✓   | ✓   | ✓   | ✓   |
| <b>Shutter / variable speed Strobe</b>               | ✓   | ✓   | ✓   | ✓   | ✓   |
| <b>Communication protocols</b>                       | DMX-512, Art-Net,<br>MA Net/MA Net2, sACN |
| <b>DMX channels (Mode 1,2,3...)</b>                  | 41/33                                     | 49/42                                     | 25/21                                     | 48/41                                     | 32/26                                     |
| <b>Data connections</b>                              | 3+5 pin XLR                               |
| <b>CRMX Wireless version available</b>               | ✓   | ✓   | ✓   | ✓   | ✓   |
| <b>User Display Interface</b>                        | Touch Screen                              |
| <b>Master/Slave</b>                                  | —   | —   | —   | —   | —   |
| <b>Stand Alone</b>                                   | ✓   | ✓   | ✓   | ✓   | ✓   |
| <b>PSU 100-240v 50/60Hz<br/>Autoranging</b>          | 200–240 V, 50/60 Hz                       |
| <b>Max consumption Watts@230 V</b>                   | 2000                                      | 2000                                      | 2000                                      | 2000                                      | 2000                                      |
| <b>Power connection</b>                              | powerCON cable                            |
| <b>Pan/Tilt range (Resolution)</b>                   | Pan 540°, Tilt 270°                       |
| <b>Weight</b>  | 36 kg                                     | 37.9 kg                                   | 35.0 kg                                   | 38.4 kg                                   | 35 kg                                     |
| <b>Size</b>  | 813 x 483 x 335 mm                        | 813 x 483 x 335 mm                        | 826 x 483 x 335 mm                        | 826 x 483 x 335 mm                        | 813 x 484 x 335 mm                        |
| <b>Key accessories</b>                               | —   | —   | —   | —   | —   |



**DISCHARGE**

|  | <b>MMX Spot™</b>             | <b>MMX WashBeam™</b>                               | <b>MMX Blade™</b>                     | <b>Pointe®</b>                                       | <b>miniPointe®</b>  |
|--|------------------------------|--|---------------------------------------|--|---|
| <b>Light Source</b>                              | Philips MSR Gold Platinum 35 | Philips MSR Gold Platinum 35                       | Philips MSR Gold Platinum 35          | Osram Sirius HRI 280 W                               | Osram Sirius HRI 140 W RO   |
| <b>Source life hours (Manf. Expectancy)</b>      | 1.000                        | 1.000  | 1.000                                 | 2.000  | 6.000   |
| <b>Ballast type</b>                              | Electronic                   | Electronic   | Electronic                            | Electronic   | Electronic  |
| <b>Source remote on/off</b>                      | ✓                            | ✓  | ✓                                     | ✓  | ✓   |
| <b>Dimming - Full range</b>                      | ✓                            | ✓  | ✓                                     | ✓  | ✓   |
| <b>Source Colour Temperature</b>                 | 7.800 K                      | 7.800 K  | 6.000 K                               | 7.500 K  | 8.000 K   |
| <b>Colour Temperature Selection / Correction</b> | Mechanical - Variable        | Mechanical - Variable                              | Mechanical - Variable                 | —  | —   |
| <b>Colour Mixing</b>                             | CMY                          | CMY  | CMY                                   | —  | —   |
| <b>Colour Wheel</b>                              | 6 + open                     | 6 + open   | 6 + open                              | 13 + open  | 13 + open   |
| <b>Zoom</b>                                      | Variable 8.5°–46.5°          | 3°–65° Beam application<br>4°–54° Wash application | Variable 8.5°–45.5°                   | 2.5°–10° beam application<br>5°–20° spot application | 3°  |
| <b>Remote Focus</b>                              | ✓                            | ✓  | ✓                                     | ✓  | ✓   |
| <b>Gobo Wheel 1 (26.8mm)</b>                     | 7 Rotating + open            | 7 Rotating + open                                  | 7 Rotating + open                     | 9 Rotating + open                                    | 13 Static + open  |
| <b>Gobo Wheel 2 (26.8mm)</b>                     | 7 Static + open              | —  | —                                     | 14 Static + open                                     | —   |
| <b>Additional Optical features</b>               | Dual Graphics Wheel          | Internal barn doors                                | Framing shutters, animation wheel     | Beam + spot  | —   |
| <b>Hot-Spot control</b>                          | ✓                            | ✓  | ✓                                     | ✓  | —   |
| <b>Iris</b>                                      | ✓                            | —  | ✓                                     | —  | —   |
| <b>Prism - Rotating</b>                          | 5 facet                      | —  | ✓                                     | 8 facet circular<br>6 facet linear                   | DFE™  |
| <b>Variable Frost</b>                            | ✓                            | —  | ✓                                     | ✓  | ✓   |
| <b>Shutter / variable speed Strobe</b>           | ✓                            | ✓  | ✓                                     | ✓  | ✓   |
| <b>Communication protocols</b>                   | DMX, Art-Net, MA Net/MA Net2 | DMX-512, RDM, Art-Net, MA Net/MA Net2              | DMX-512, RDM, Art-Net, MA Net/MA Net2 | DMX-512, RDM, Art-Net, MA Net/MA Net2                | USITT DMX-512, RDM  |
| <b>DMX channels (Mode 1,2,3...)</b>              | 38/31/29/40                  | 34/29/27   | 45/39/37                              | 24/16/30   | 22/15/27  |
| <b>Data connections</b>                          | RJ 45, 3+5 pin XLR           | RJ 45, 3+5 pin XLR                                 | RJ 45, 3+5 pin XLR                    | RJ45, 3+5 pin XLR                                    | 5-pin XLR   |
| <b>CRMX Wireless version available</b>           | ✓                            | ✓  | ✓                                     | ✓  | —   |
| <b>User Display Interface</b>                    | Touch Screen                 | Touch Screen                                       | Touch Screen                          | Touch Screen   | 4 key LCD   |
| <b>Master/Slave</b>                              | —                            | —  | —                                     | —  | —   |
| <b>Stand Alone</b>                               | ✓                            | ✓  | ✓                                     | ✓  | ✓   |
| <b>PSU 100-240v 50/60Hz Autoranging</b>          | ✓                            | ✓  | ✓                                     | ✓  | ✓   |
| <b>Max consumption Watts@230 V</b>               | 1020                         | 1020   | 1020                                  | 470  | 260   |
| <b>Power connection</b>                          | powerCON cable               | powerCON cable                                     | powerCON cable                        | powerCON cable                                       | powerCON In/Out   |
| <b>Pan/Tilt range (Resolution)</b>               | Pan 540°, Tilt 270°          | Pan 540°, Tilt 270°                                | Pan 540°, Tilt 270°                   | Pan 540°, Tilt 270°                                  | Pan 540°, Tilt 270°   |
| <b>Weight</b>                                    | 25.5 kg                      | 25.5 kg  | 26.7 kg                               | 15.0 kg  | 11.8 kg   |
| <b>Size</b>                                      | 722 x 446 x 268 mm           | 696 x 446 x 269 mm                                 | 722 x 446 x 268 mm                    | 575 x 364 x 250 mm                                   | 480 x 317 x 204 mm  |
| <b>Key accessories</b>                           | —                            | —  | —                                     | —  | Wireless DMX module, Line Cords powerCON In, Line Cords powerCON In/out |

**MEGA**  
*Pointe*®

**THE NEW REFERENCE POINT**

# MEGA POINT

VOLUME 17  
2017



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